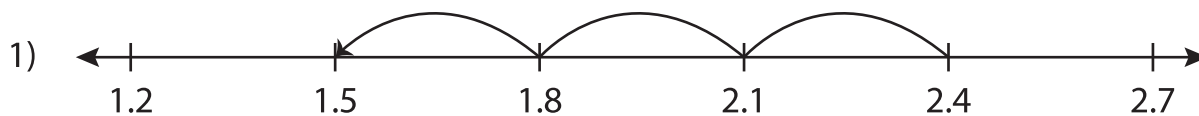


Name : _____

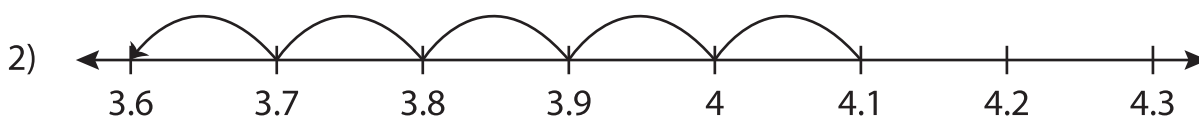
Number Line Subtraction

Tenth: S1

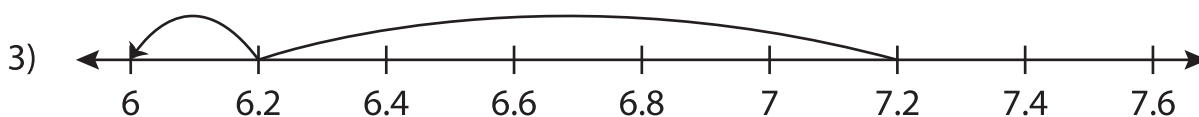
Read each number line and solve the problem.



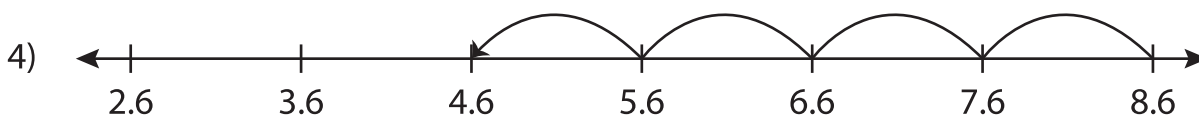
$$2.4 - 0.9 = \underline{\hspace{2cm}}$$



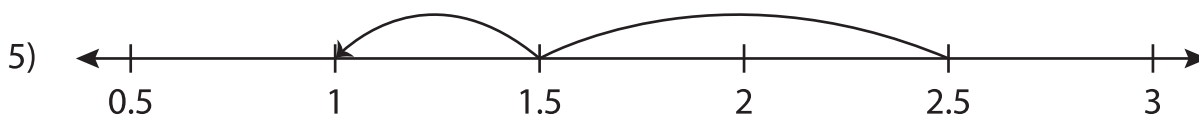
$$4.1 - 0.5 = \underline{\hspace{2cm}}$$



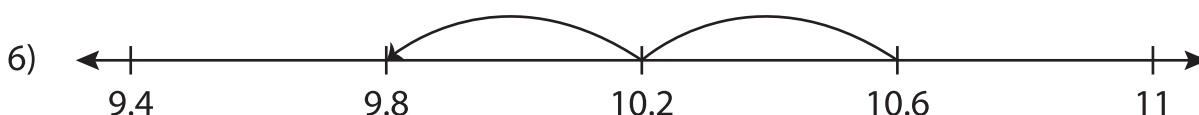
$$7.2 - 1.2 = \underline{\hspace{2cm}}$$



$$8.6 - 4 = \underline{\hspace{2cm}}$$



$$2.5 - 1.5 = \underline{\hspace{2cm}}$$



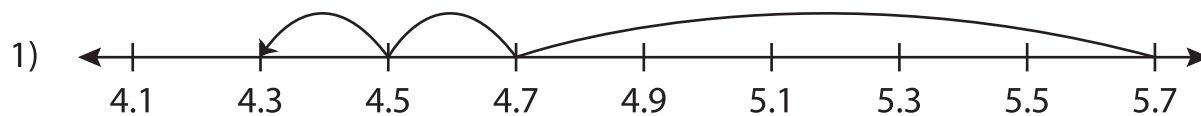
$$10.6 - 0.8 = \underline{\hspace{2cm}}$$

Name : _____

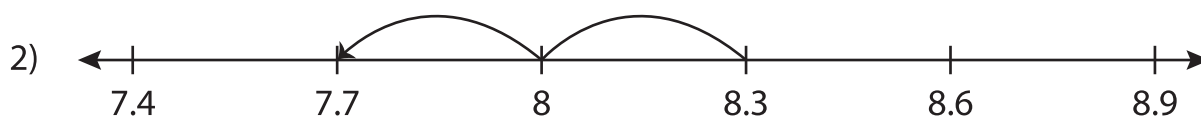
Number Line Subtraction

Tenth: S2

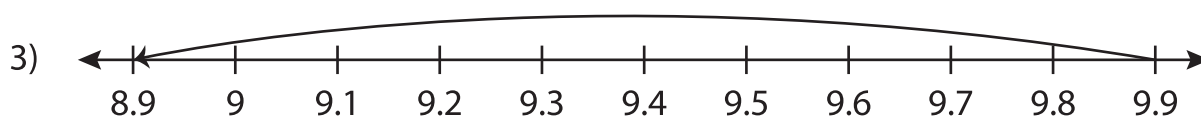
Read each number line and solve the problem.



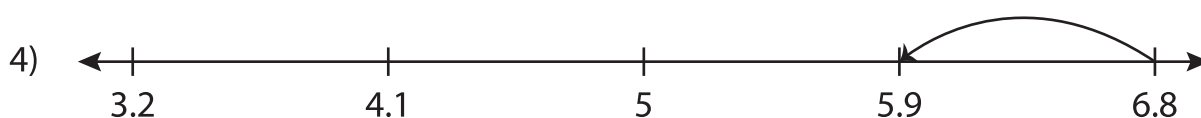
$$5.7 - 1.4 = \underline{\hspace{2cm}}$$



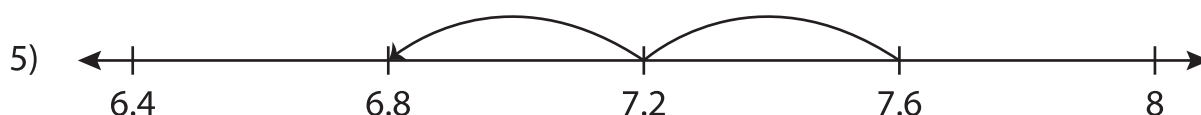
$$8.3 - 0.6 = \underline{\hspace{2cm}}$$



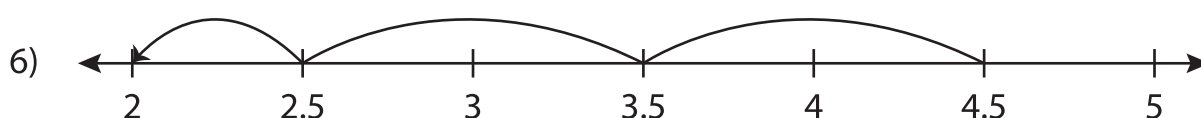
$$9.9 - 1 = \underline{\hspace{2cm}}$$



$$6.8 - 0.9 = \underline{\hspace{2cm}}$$



$$7.6 - 0.8 = \underline{\hspace{2cm}}$$



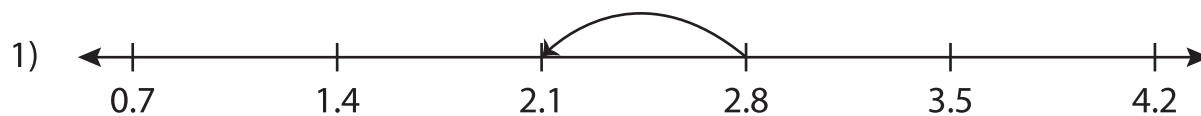
$$4.5 - 2.5 = \underline{\hspace{2cm}}$$

Name : _____

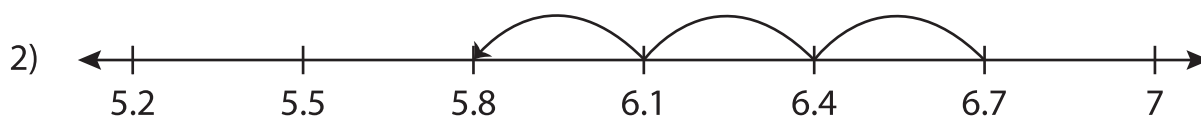
Number Line Subtraction

Tenth: S3

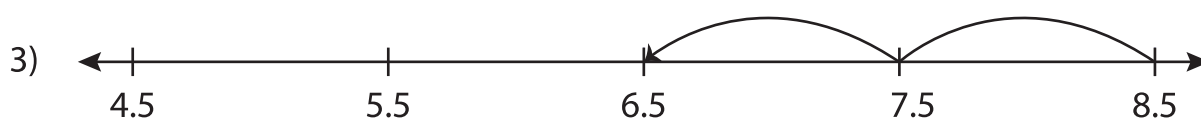
Read each number line and solve the problem.



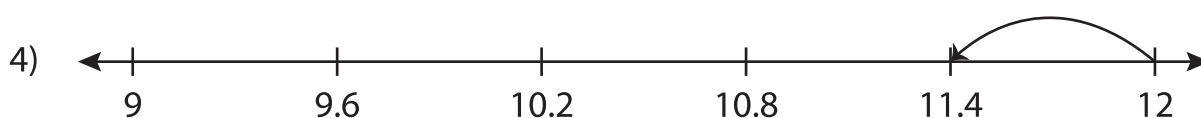
$$2.8 - 0.7 = \underline{\hspace{2cm}}$$



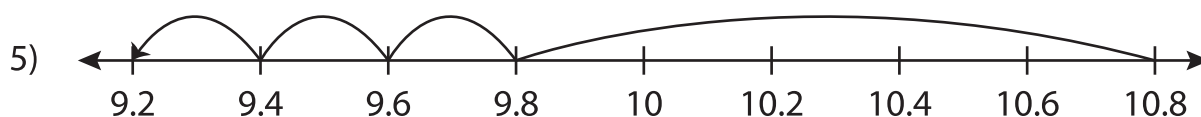
$$6.7 - 0.9 = \underline{\hspace{2cm}}$$



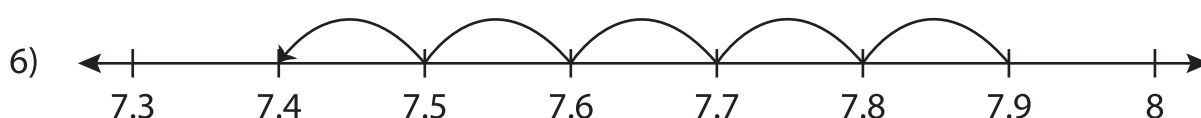
$$8.5 - 2 = \underline{\hspace{2cm}}$$



$$12 - 0.6 = \underline{\hspace{2cm}}$$



$$10.8 - 1.6 = \underline{\hspace{2cm}}$$



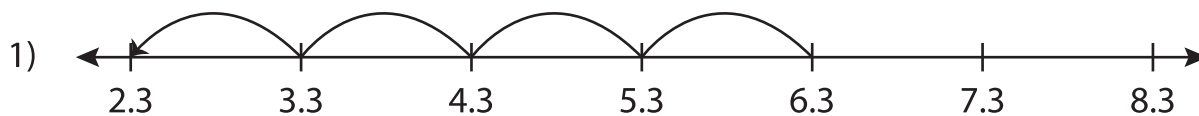
$$7.9 - 0.5 = \underline{\hspace{2cm}}$$

Name : _____

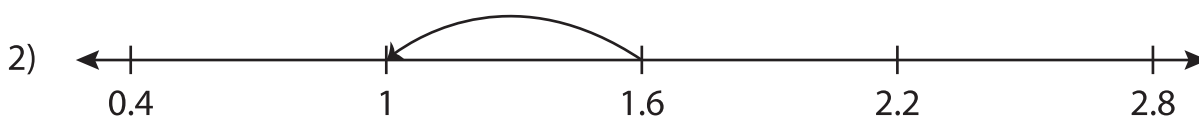
Number Line Subtraction

Tenth: S4

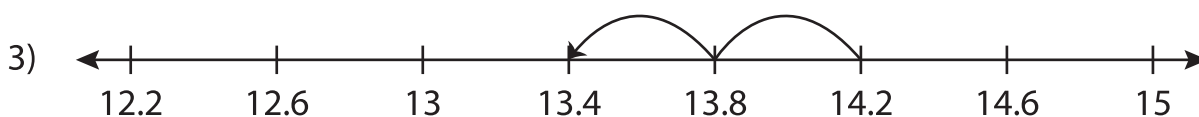
Read each number line and solve the problem.



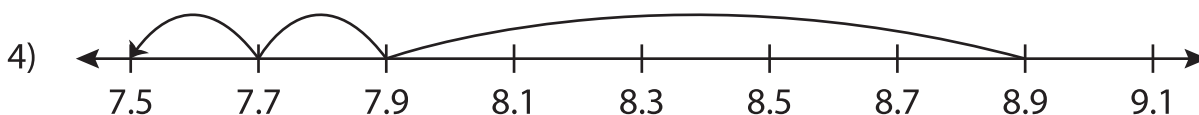
$$6.3 - 4 = \underline{\hspace{2cm}}$$



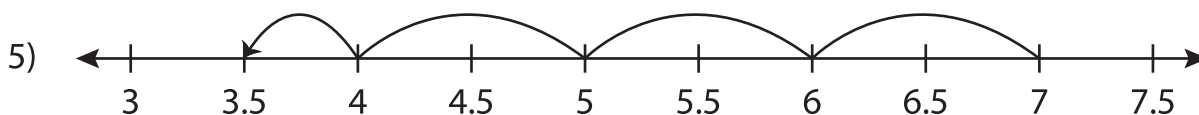
$$1.6 - 0.6 = \underline{\hspace{2cm}}$$



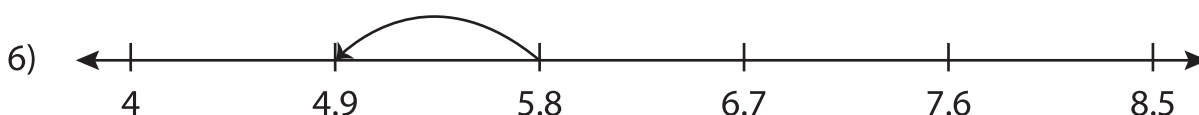
$$14.2 - 0.8 = \underline{\hspace{2cm}}$$



$$8.9 - 1.4 = \underline{\hspace{2cm}}$$



$$7 - 3.5 = \underline{\hspace{2cm}}$$



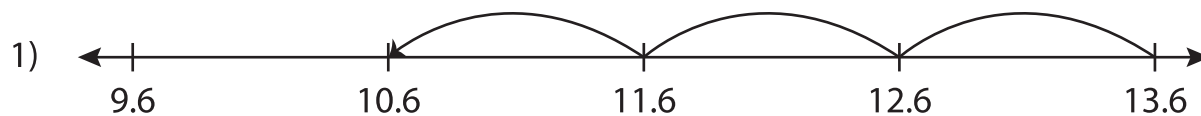
$$5.8 - 0.9 = \underline{\hspace{2cm}}$$

Name : _____

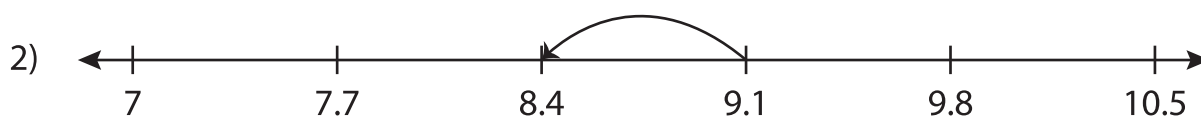
Number Line Subtraction

Tenth: S5

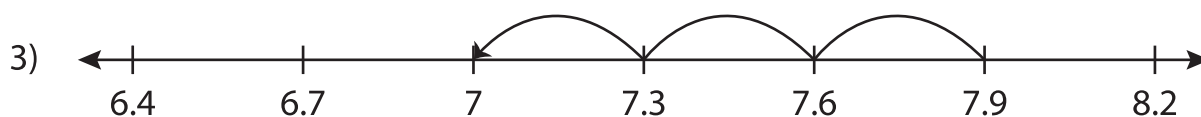
Read each number line and solve the problem.



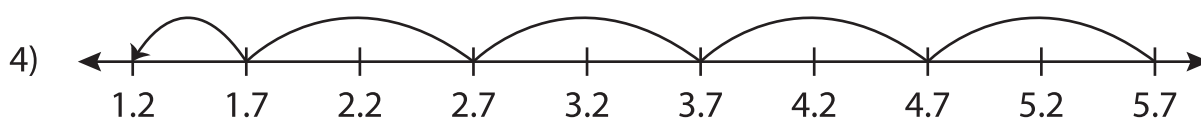
$$13.6 - 3 = \underline{\hspace{2cm}}$$



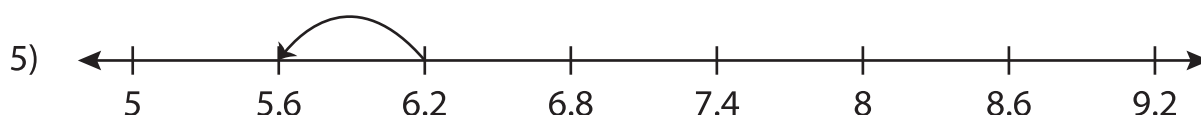
$$9.1 - 0.7 = \underline{\hspace{2cm}}$$



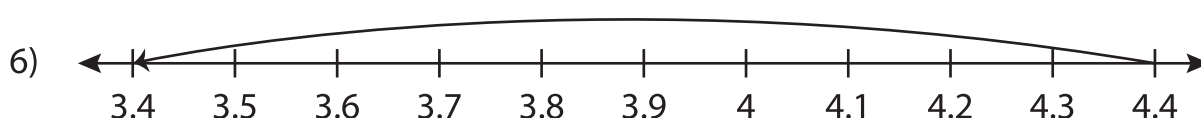
$$7.9 - 0.9 = \underline{\hspace{2cm}}$$



$$5.7 - 4.5 = \underline{\hspace{2cm}}$$



$$6.2 - 0.6 = \underline{\hspace{2cm}}$$



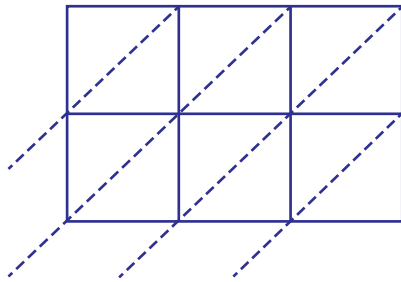
$$4.4 - 1 = \underline{\hspace{2cm}}$$

Lattice Multiplication

3-digit by 2-digit: S1

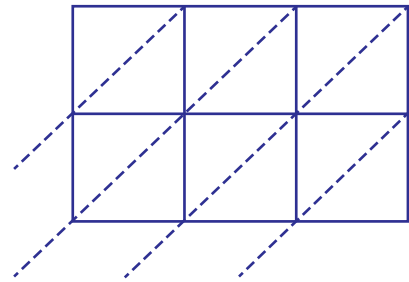
Use lattice multiplication method to find the product in each problem.

1) 498×61



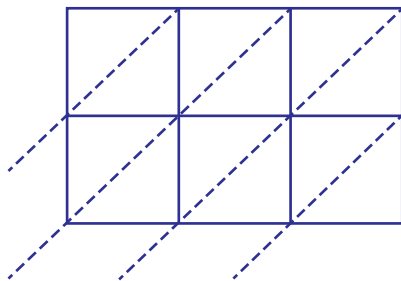
$498 \times 61 = \underline{\hspace{2cm}}$

2) 923×37



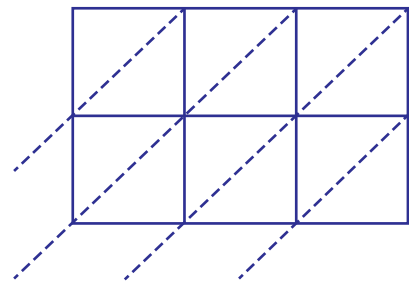
$923 \times 37 = \underline{\hspace{2cm}}$

3) 276×74



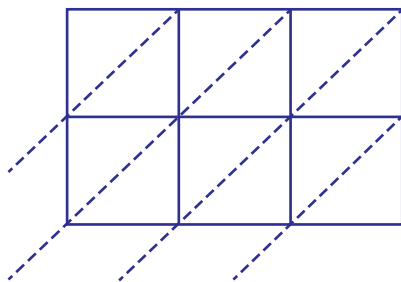
$276 \times 74 = \underline{\hspace{2cm}}$

4) 540×83



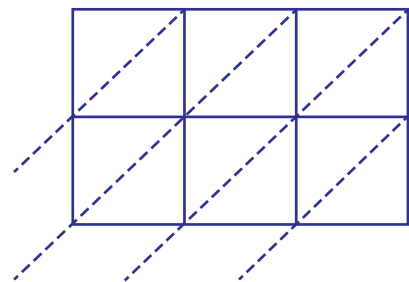
$540 \times 83 = \underline{\hspace{2cm}}$

5) 825×45



$825 \times 45 = \underline{\hspace{2cm}}$

6) 351×28



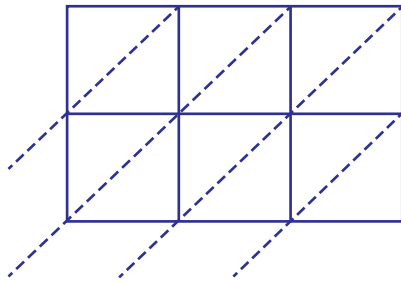
$351 \times 28 = \underline{\hspace{2cm}}$

Lattice Multiplication

3-digit by 2-digit: S2

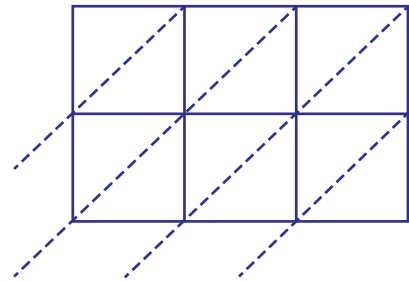
Use lattice multiplication method to find the product in each problem.

1) 746×49



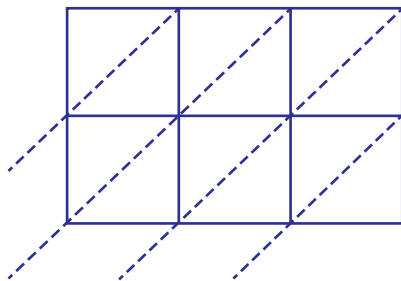
$746 \times 49 = \underline{\hspace{2cm}}$

2) 561×90



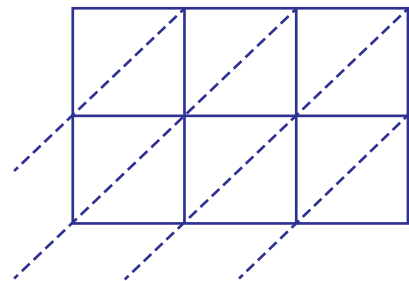
$561 \times 90 = \underline{\hspace{2cm}}$

3) 160×87



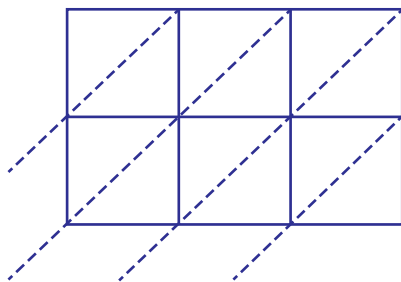
$160 \times 87 = \underline{\hspace{2cm}}$

4) 972×16



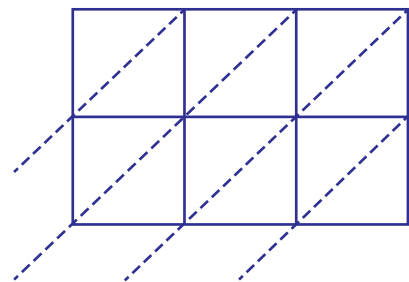
$972 \times 16 = \underline{\hspace{2cm}}$

5) 448×35



$448 \times 35 = \underline{\hspace{2cm}}$

6) 681×58



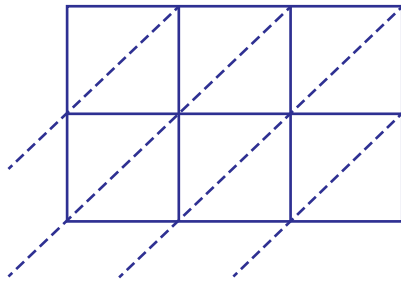
$681 \times 58 = \underline{\hspace{2cm}}$

Lattice Multiplication

3-digit by 2-digit: S3

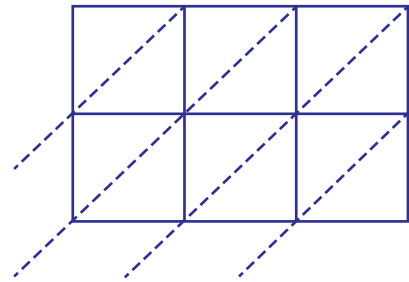
Use lattice multiplication method to find the product in each problem.

1) 159×83



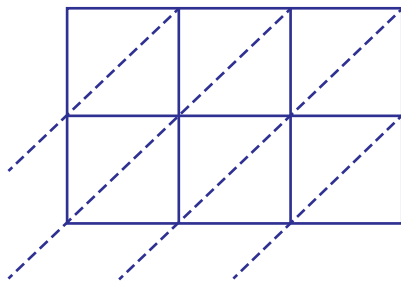
$159 \times 83 = \underline{\hspace{2cm}}$

2) 782×24



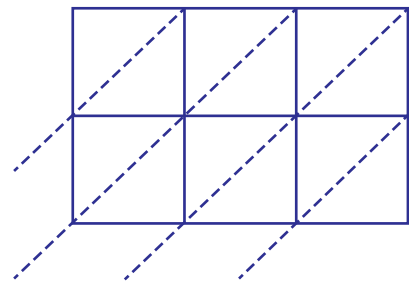
$782 \times 24 = \underline{\hspace{2cm}}$

3) 823×40



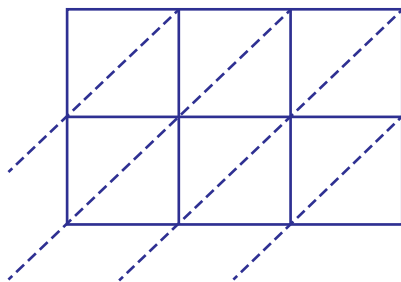
$823 \times 40 = \underline{\hspace{2cm}}$

4) 271×79



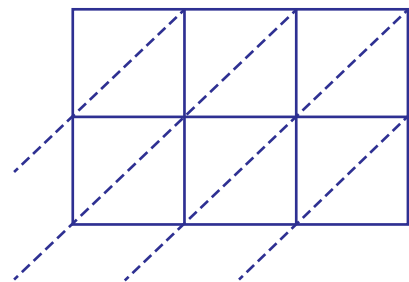
$271 \times 79 = \underline{\hspace{2cm}}$

5) 367×51



$367 \times 51 = \underline{\hspace{2cm}}$

6) 518×67



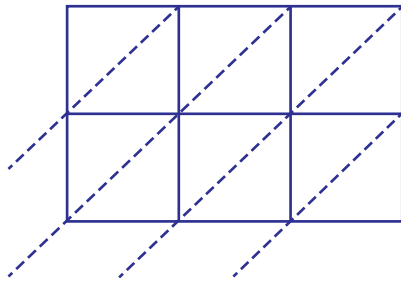
$518 \times 67 = \underline{\hspace{2cm}}$

Lattice Multiplication

3-digit by 2-digit: S4

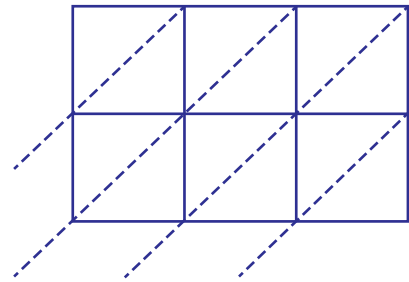
Use lattice multiplication method to find the product in each problem.

1) 697×51



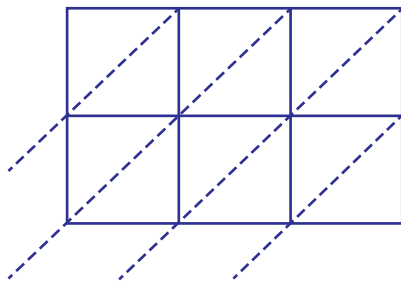
$697 \times 51 = \underline{\hspace{2cm}}$

2) 842×76



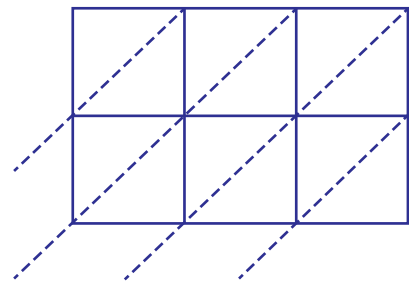
$842 \times 76 = \underline{\hspace{2cm}}$

3) 924×83



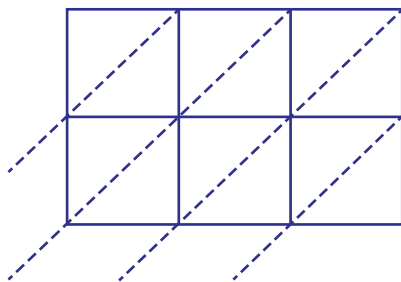
$924 \times 83 = \underline{\hspace{2cm}}$

4) 175×37



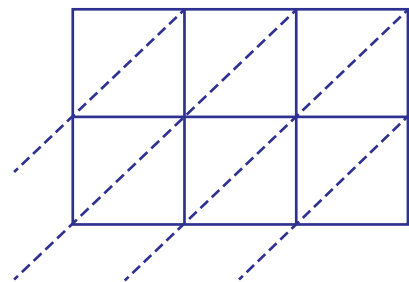
$175 \times 37 = \underline{\hspace{2cm}}$

5) 468×20



$468 \times 20 = \underline{\hspace{2cm}}$

6) 381×92



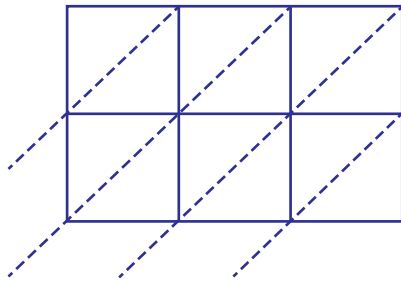
$381 \times 92 = \underline{\hspace{2cm}}$

Lattice Multiplication

3-digit by 2-digit: S5

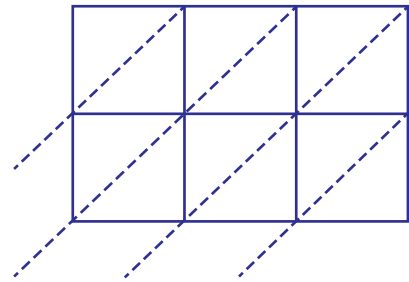
Use lattice multiplication method to find the product in each problem.

1) 372×90



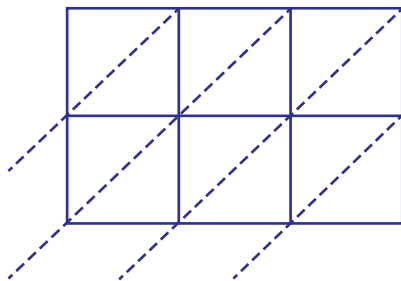
$372 \times 90 = \underline{\hspace{2cm}}$

2) 719×18



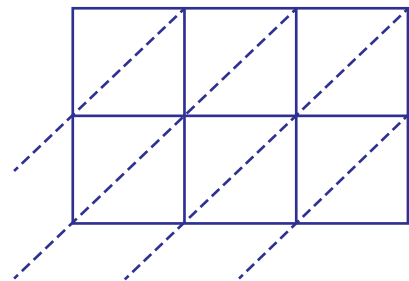
$719 \times 18 = \underline{\hspace{2cm}}$

3) 564×27



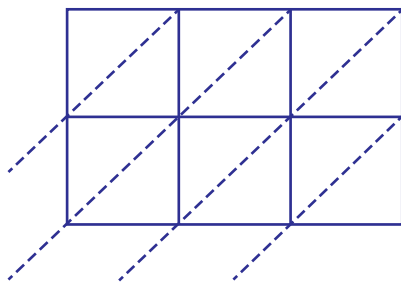
$564 \times 27 = \underline{\hspace{2cm}}$

4) 950×45



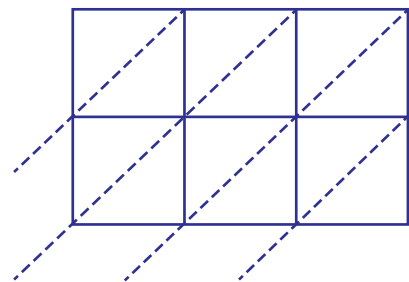
$950 \times 45 = \underline{\hspace{2cm}}$

5) 836×62



$836 \times 62 = \underline{\hspace{2cm}}$

6) 291×84



$291 \times 84 = \underline{\hspace{2cm}}$

Name : _____

Score : _____

Adding Commas

Level 2: S1

Add commas in appropriate places.

1) 8 1 5 2 4 0 7 6

2) 4 5 9 3 6 2 1 0 7

3) 9 3 1 5 0 4 7 2 5 8

4) 2 3 9 8 4 5 7 6 0 1 1

5) 4 5 8 2 1 9 8 3 6 7 0 4

6) 6 8 3 4 1

7) 7 6 7 1 2 5

8) 3 0 9 1 6 5 8 7

9) 1 9 3 6 1 0 2 4 5 7 8

10) 7 0 4 9 8 5 6 3 2 1 9

11) 2 3 8 5 0 9 6 4

12) 4 1 0 2 6 5 3 9 7

13) 5 0 3 4

14) 8 6 4 5 9 1 2 0 3 4 8

15) 6 9 3 5 8 2 0 0 7 4 1 4

16) 5 9 2 0 8 3 7

17) 1 0 8 3 5 7 2 9 6

18) 9 1 6 3 5 4 2 8 5 9

19) 3 1 4 7 6 8 2 1 9 4 5

20) 1 5 2 8 9 4 7 6 0 2 1 3

Name : _____

Score : _____

Adding Commas

Level 2: S2

Add commas in appropriate places.

1) 7 4 1 5 3 0 8 9 2 6 0

2) 8 0 5 9 4 2 7 3 0 3 1 4

3) 3 1 1 6 4 5 2 9 8 7

4) 1 8 9 5 2 6 0 9 3

5) 6 8 3 0 2 1 4 9

6) 4 3 8 2 7 1 4 5 9 7 8

7) 1 0 1 2 6 9 8 4 3 1 5

8) 5 7 0 2 4 1 9 8 3 6

9) 2 3 1 6 4

10) 9 2 5 6 9 8 1 2 3

11) 6 1 9 4 0 8 5 2 5 3 4

12) 2 1 8 3 4 7 6 2 0 5

13) 5 2 6 1 5 0 9 2

14) 4 0 8 2 6 3 7 2 9

15) 1 5 8 9 2 4 8 3 1 5 6 7

16) 1 4 6 2 3 2 0

17) 3 7 8 9

18) 8 8 0 7 6 5 3 9 4 1 2

19) 2 9 0 6 8 3 4 5 1 7 9 1

20) 7 6 2 0 0 8

Name : _____

Score : _____

Adding Commas

Level 2: S3

Add commas in appropriate places.

1) 2 3 8 9 5 7 8

2) 8 5 6 9 3 1 0 2 8 4 3 7

3) 7 2 3 6 0 9 1 4 8 5 3

4) 5 9 1 6 5 2 7 4 8

5) 1 4 2 7 1 6 8 9 3 0

6) 6 1 7 9 3 4 5 0 2 8 0

7) 2 4 3 1 9 6 2 9

8) 9 2 1 8 0 3 2 9 6 7 3 5

9) 6 1 7 9 8 2 5 3 6 4

10) 2 3 4 9 5 0

11) 8 7 9 6 5 7 4 2 1 0 3

12) 7 6 0 2

13) 3 6 9 4 9 1 0 8 5

14) 4 6 5 8 4 3 2 5 1

15) 9 6 7 0 3

16) 3 8 9 4 2 1 7 0 5 8 1 4

17) 2 5 1 7 3 9 4 8 5 6 0

18) 6 3 4 0 1 2 3 6 5 9 7 8

19) 4 2 5 9 8 1 5 7 3 6

20) 7 4 3 8 2 6 5 0

Name : _____

Score : _____

Adding Commas

Level 2: S4

Add commas in appropriate places.

1) 9 7 2 5 4 9 6 4 4 2 0 7

2) 5 9 2 7 3 0 0 6 1 9 8

3) 6 1 8 0 9 5 2 4 3 0

4) 3 9 1 7 4 5 2 1 6

5) 7 3 5 6 8 2 9 1

6) 4 8 1 5 0

7) 5 2 7 9 1 8 4 8 3 7 4 6

8) 2 8 0 7

9) 8 5 2 9 7 0

10) 6 9 4 1 2 6 3 1 5

11) 1 5 8 4 2 6 3

12) 9 7 1 6 2 0 8 4 5 6

13) 8 3 6 3 0 7 5 2 1 9 1 4

14) 1 5 6 8 3 4 9 1 7 4 5

15) 3 7 9 8 5 6 4 2 3

16) 7 5 9 0 3 5 0 1 8 2 6 4

17) 7 3 2 5 1 9 2 0 8 6

18) 8 6 4 5 2 6 2 3 9 7 4

19) 2 3 4 5 0 8 1 6 9

20) 6 7 2 1 4 5 9 2

Name : _____

Score : _____

Adding Commas

Level 2: S5

Add commas in appropriate places.

1) 8 3 7 0 1 1 4 8 6 9 0

2) 4 1 9 0 5 6 8 3 2 7 1 6

3) 6 2 9 7 9 3 0 8 5

4) 5 3 4 7 8 6 5 2

5) 2 4 0 6 5 1 8 5 7

6) 7 9 8 1 4 1 0

7) 5 6 5 0 0 8

8) 1 4 6 2 5 3 7 0 0 9 2

9) 9 6 3 7 4 1 2 9 0 5 8 4

10) 2 8 4 3 7 0 1 4 9 5 6

11) 4 2 8 9 3 0 1 7 2 5 9

12) 6 5 9 3 0 8 4 0 2 7

13) 8 6 0 2 3 4 9 5 0 4 1 9

14) 3 0 1 4 2

15) 3 1 8 2 9 6 0 9 5

16) 5 2 0 9 7 8 4 1

17) 1 6 4 9

18) 9 8 2 4 1 3 7 5 0 1 9 6

19) 7 1 9 2 6 5 3 4 0 1 8

20) 8 9 7 1 0 2 6 3 4

Name : _____

Score : _____

Two-Rule Pattern

Type 1: S1

Identify the number pattern and fill in the missing numbers.

1)	2	5	3	6	4					
----	---	---	---	---	---	--	--	--	--	--

2)	23	24	26	27	29					
----	----	----	----	----	----	--	--	--	--	--

3)	14	11	13	10	12					
----	----	----	----	----	----	--	--	--	--	--

4)	2	6	7	11	12					
----	---	---	---	----	----	--	--	--	--	--

5)	11	13	16	18	21					
----	----	----	----	----	----	--	--	--	--	--

6)	1	2	8	9	15					
----	---	---	---	---	----	--	--	--	--	--

7)	4	9	13	18	22					
----	---	---	----	----	----	--	--	--	--	--

8)	3	5	9	11	15					
----	---	---	---	----	----	--	--	--	--	--

9)	12	10	15	13	18					
----	----	----	----	----	----	--	--	--	--	--

10)	8	12	13	17	18					
-----	---	----	----	----	----	--	--	--	--	--

Name : _____

Score : _____

Two-Rule Pattern

Type 1: S2

Identify the number pattern and fill in the missing numbers.

1)	11	8	10	7	9					
----	----	---	----	---	---	--	--	--	--	--

2)	30	35	38	43	46					
----	----	----	----	----	----	--	--	--	--	--

3)	0	2	1	3	2					
----	---	---	---	---	---	--	--	--	--	--

4)	42	48	50	56	58					
----	----	----	----	----	----	--	--	--	--	--

5)	73	63	68	58	63					
----	----	----	----	----	----	--	--	--	--	--

6)	9	15	16	22	23					
----	---	----	----	----	----	--	--	--	--	--

7)	17	21	23	27	29					
----	----	----	----	----	----	--	--	--	--	--

8)	35	38	36	39	37					
----	----	----	----	----	----	--	--	--	--	--

9)	60	61	63	64	66					
----	----	----	----	----	----	--	--	--	--	--

10)	29	28	32	31	35					
-----	----	----	----	----	----	--	--	--	--	--

Name : _____

Score : _____

Two-Rule Pattern

Type 1: S3

Identify the number pattern and fill in the missing numbers.

1)	44	46	50	52	56					
----	----	----	----	----	----	--	--	--	--	--

2)	13	21	22	30	31					
----	----	----	----	----	----	--	--	--	--	--

3)	9	8	10	9	11					
----	---	---	----	---	----	--	--	--	--	--

4)	22	27	30	35	38					
----	----	----	----	----	----	--	--	--	--	--

5)	74	73	71	70	68					
----	----	----	----	----	----	--	--	--	--	--

6)	2	8	6	12	10					
----	---	---	---	----	----	--	--	--	--	--

7)	31	28	33	30	35					
----	----	----	----	----	----	--	--	--	--	--

8)	18	21	20	23	22					
----	----	----	----	----	----	--	--	--	--	--

9)	42	51	54	63	66					
----	----	----	----	----	----	--	--	--	--	--

10)	65	72	68	75	71					
-----	----	----	----	----	----	--	--	--	--	--

Name : _____

Nested parentheses in PEMDAS

L1ES1

Solve.

1) $(1 + (2 + 16) \times 8) \div 5$

Ans =

2) $((35 - 34) + 11) \times 3$

Ans =

3) $((18 - 4) \div 7) \times 4 + 1$

Ans =

4) $25 \times ((48 \div 4) - 9)$

Ans =

5) $36 \div (8 - (2 \times 3))$

Ans =

6) $54 \div ((10 - 2) - 6) \times 3$

Ans =

7) $((24 + 9) - 3) \div 6$

Ans =

8) $4 \times ((6 + 14) - 12)$

Ans =

9) $10 + (3 \times (5 + 10)) - 2$

Ans =

10) $((2 \times 19) + 27) \div 5$

Ans =

Name : _____

Nested parentheses in PEMDAS

L1ES2

Solve.

1) $2 + ((3 \times 11) - 9) \div 4$

Ans =

2) $(4 + (35 - 12)) \times 2$

Ans =

3) $88 \div ((4 + 7) \times 4) + 1$

Ans =

4) $65 - ((8 + 3) \times 4)$

Ans =

5) $85 \div (8 + (3 \times 3))$

Ans =

6) $((14 \times 5) + 7) - 5 \div 2$

Ans =

7) $54 + ((8 - 2) \div 6)$

Ans =

8) $7 \times ((5 + 12) - 11)$

Ans =

9) $((11 + 2) \times 4) + 14 - 5$

Ans =

10) $((7 + 5) \div 6) \times 3$

Ans =

Name : _____

Nested parentheses in PEMDAS

L1ES3

Solve.

1) $(5 - (12 \div 3) + 9) \times 4$

Ans =

2) $(6 - (36 \div 12)) + 8$

Ans =

3) $15 \div 3 + ((8 \times 3) + 2)$

Ans =

4) $68 \div ((4 \times 6) + 10) - 1$

Ans =

5) $7 \times (8 + (6 - 5)) \div 7$

Ans =

6) $((4 \times 5) \div 2) - 5 + 2$

Ans =

7) $((54 + 10 - 4) \div 5) \times 3$

Ans =

8) $7 \times ((9 + 1) \div 5)$

Ans =

9) $12 + ((22 \div 2) \times 8) - 5$

Ans =

10) $((22 - 18) + 3) \times 3$

Ans =

Name : _____

Nested parentheses in PEMDAS

L1ES4

Solve.

1) $5 \times ((56 - 18) \div 2)$

Ans =

2) $(91 - (15 + 6) \times 4) + 11$

Ans =

3) $((2 + 1) \times 6) - 10$

Ans =

4) $35 \div 5 + ((4 \times 9) - 2)$

Ans =

5) $3 \times (68 \div (19 + 15) \times 36)$

Ans =

6) $77 - (54 + (21 \div 3))$

Ans =

7) $(60 - (12 \times 4)) \div 3 + 2$

Ans =

8) $(17 + (56 \div 8)) - 11$

Ans =

9) $50 \div ((12 + 7) - 14)$

Ans =

10) $11 + ((5 \times 15) - 39) \div 6$

Ans =

Name : _____

Nested parentheses in PEMDAS

L1ES5

Solve.

1) $(29 - (5 \times 5)) \div 4$

Ans =

2) $88 + 65 - ((44 \div 4) \times 3)$

Ans =

3) $74 + (60 \div (6 \times 2)) - 49$

Ans =

4) $((12 \times 5) \div 10) - 1$

Ans =

5) $10 \times (4 + (16 - 11))$

Ans =

6) $25 + ((12 \div 6) \times 7) - 30$

Ans =

7) $60 \div 5 + ((9 - 4) \times 7)$

Ans =

8) $((12 - 8) \times 16) + 59$

Ans =

9) $84 - (32 \div (2 \times 4))$

Ans =

10) $60 + (50 \times (20 - 4)) \div 8$

Ans =

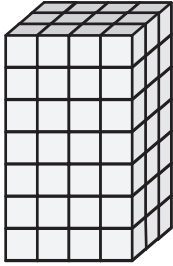
Name : _____

Counting Cubes - Rectangular Prisms

ES1

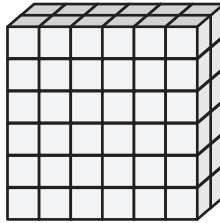
Count the unit cubes and find the volume of each rectangular prism.  = 1 cm³

1)



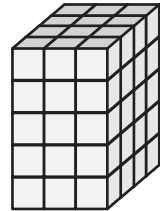
Volume = _____

2)



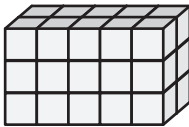
Volume = _____

3)



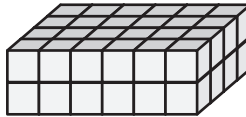
Volume = _____

4)



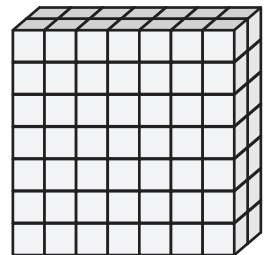
Volume = _____

5)



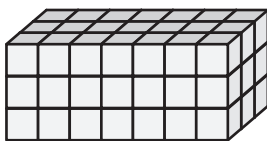
Volume = _____

6)



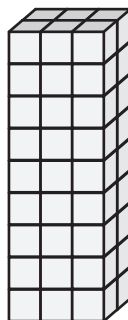
Volume = _____

7)



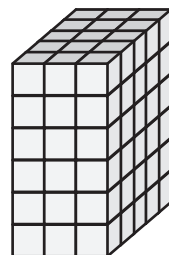
Volume = _____

8)



Volume = _____

9)



Volume = _____

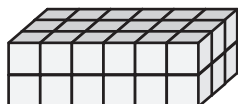
Name : _____

Counting Cubes - Rectangular Prisms

ES2

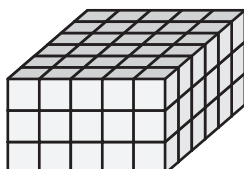
Count the unit cubes and find the volume of each rectangular prism.  = 1 mm³

1)



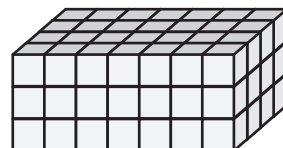
Volume = _____

2)



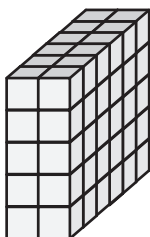
Volume = _____

3)



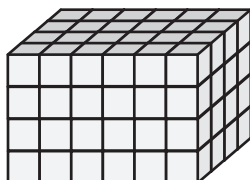
Volume = _____

4)



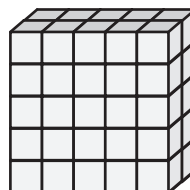
Volume = _____

5)



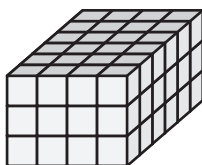
Volume = _____

6)



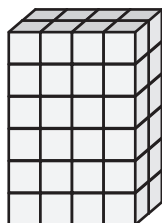
Volume = _____

7)



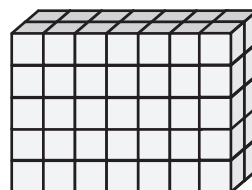
Volume = _____

8)



Volume = _____

9)



Volume = _____

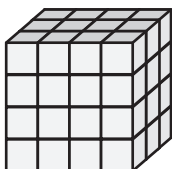
Name : _____

Counting Cubes - Rectangular Prisms

ES3

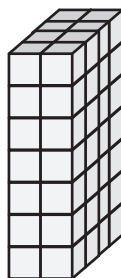
Count the unit cubes and find the volume of each rectangular prism.  = 1 m³

1)



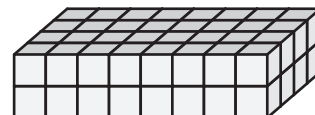
Volume = _____

2)



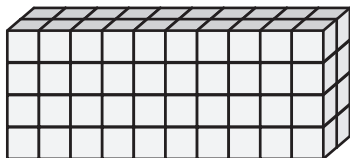
Volume = _____

3)



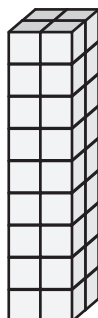
Volume = _____

4)



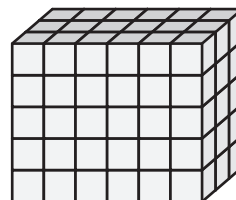
Volume = _____

5)



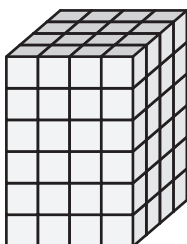
Volume = _____

6)



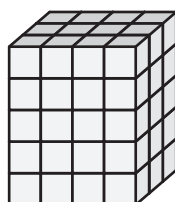
Volume = _____

7)



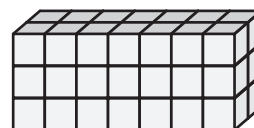
Volume = _____

8)



Volume = _____

9)



Volume = _____

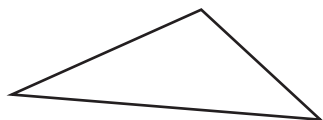
Name : _____

Identifying Triangles

Sides: S1

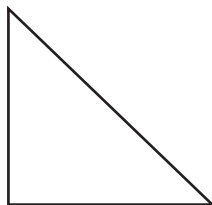
Identify each triangle based on sides. (Equilateral, Isosceles or Scalene)

1)

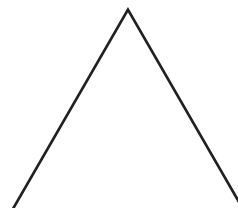


Scalene triangle

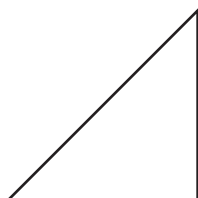
2)



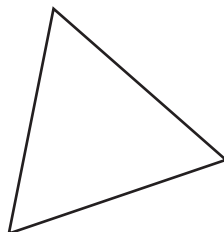
3)



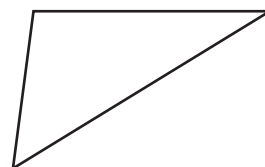
4)



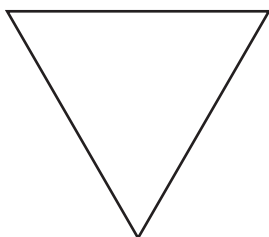
5)



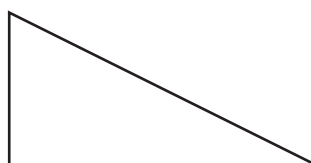
6)



7)



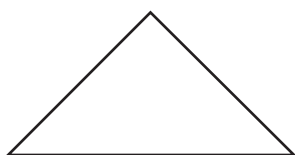
8)



9)



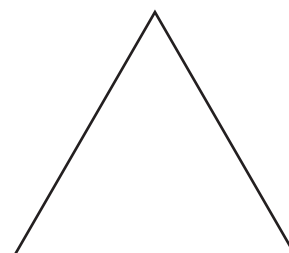
10)



11)



12)



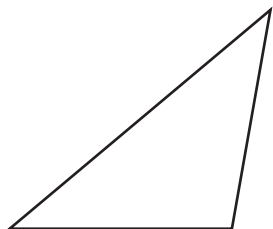
Name : _____

Identifying Triangles

Sides: S2

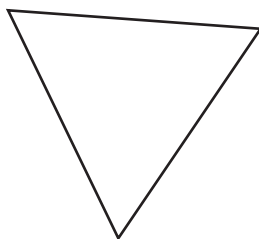
Identify each triangle based on sides. (Equilateral, Isosceles or Scalene)

1)

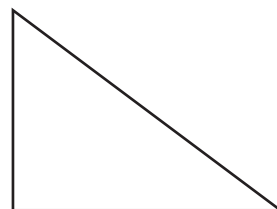


Isosceles triangle

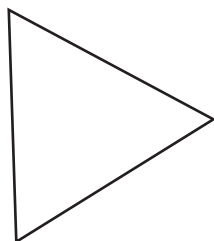
2)



3)



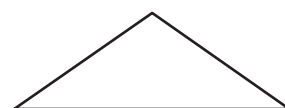
4)



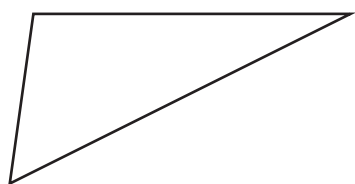
5)



6)



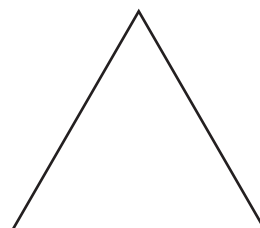
7)



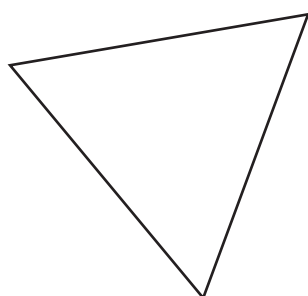
8)



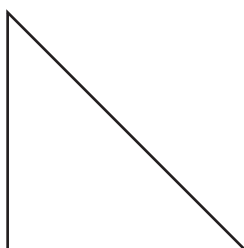
9)



10)



11)



12)



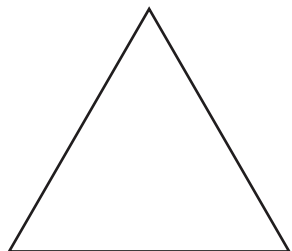
Name : _____

Identifying Triangles

Sides: S3

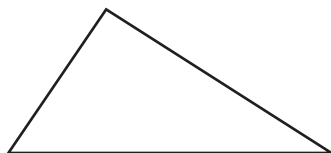
Identify each triangle based on sides. (Equilateral, Isosceles or Scalene)

1)

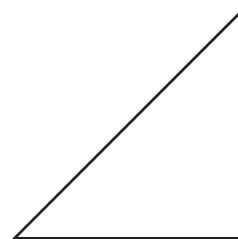


Equilateral triangle

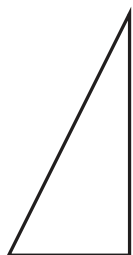
2)



3)



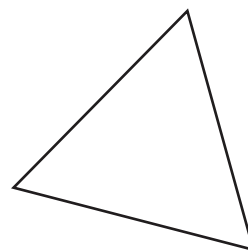
4)



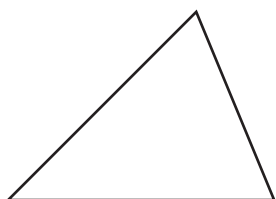
5)



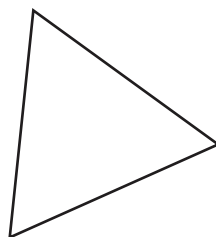
6)



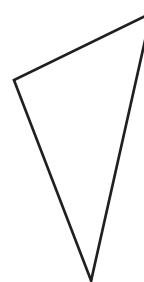
7)



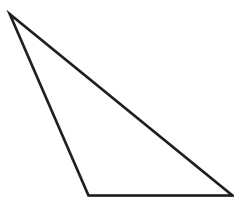
8)



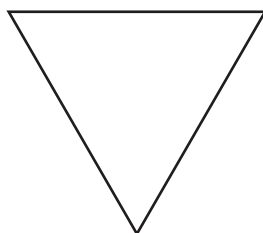
9)



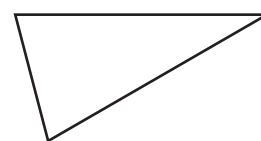
10)



11)



12)



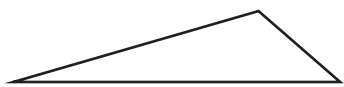
Name : _____

Identifying Triangles

Sides: S4

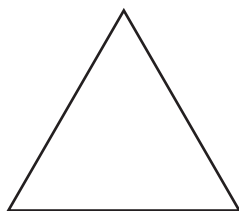
Identify each triangle based on sides. (Equilateral, Isosceles or Scalene)

1)

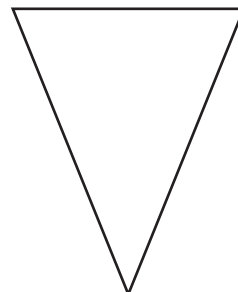


Scalene triangle

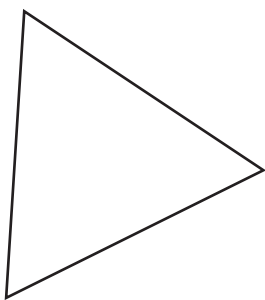
2)



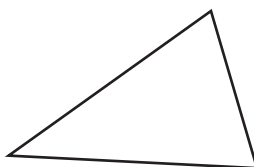
3)



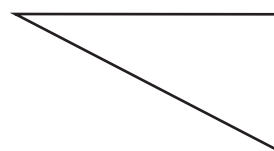
4)



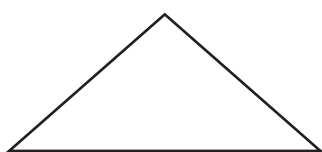
5)



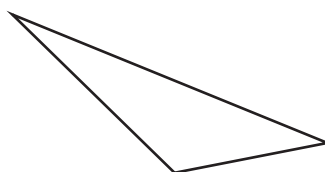
6)



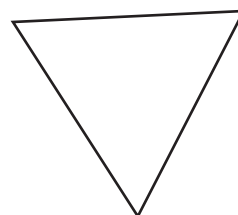
7)



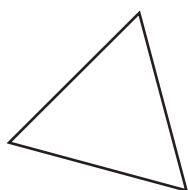
8)



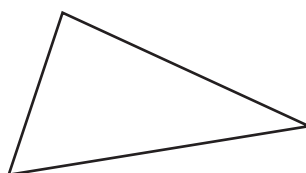
9)



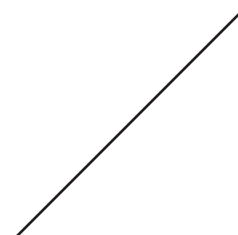
10)



11)



12)



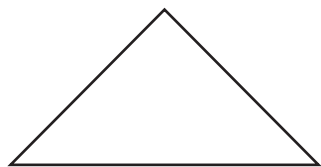
Name : _____

Identifying Triangles

Sides: S5

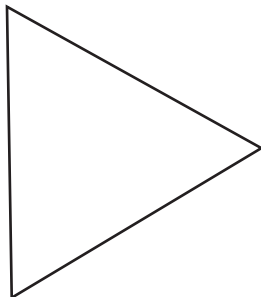
Identify each triangle based on sides. (Equilateral, Isosceles or Scalene)

1)

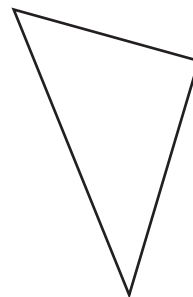


Isosceles triangle

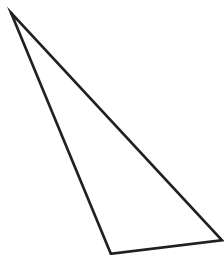
2)



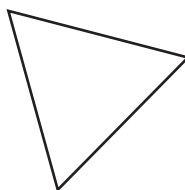
3)



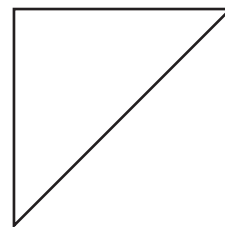
4)



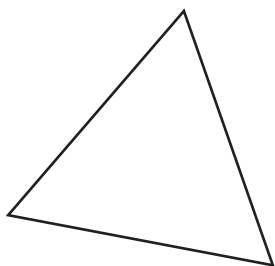
5)



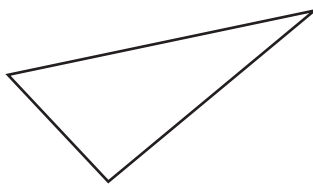
6)



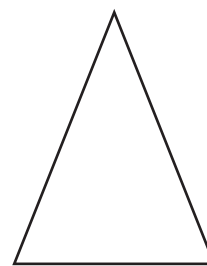
7)



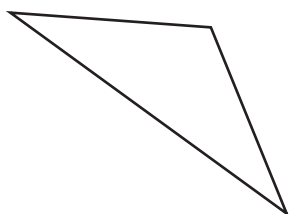
8)



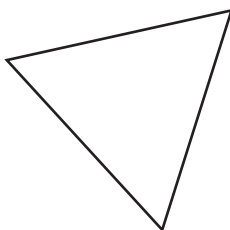
9)



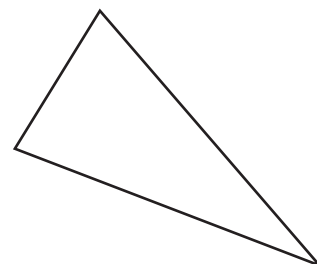
10)



11)



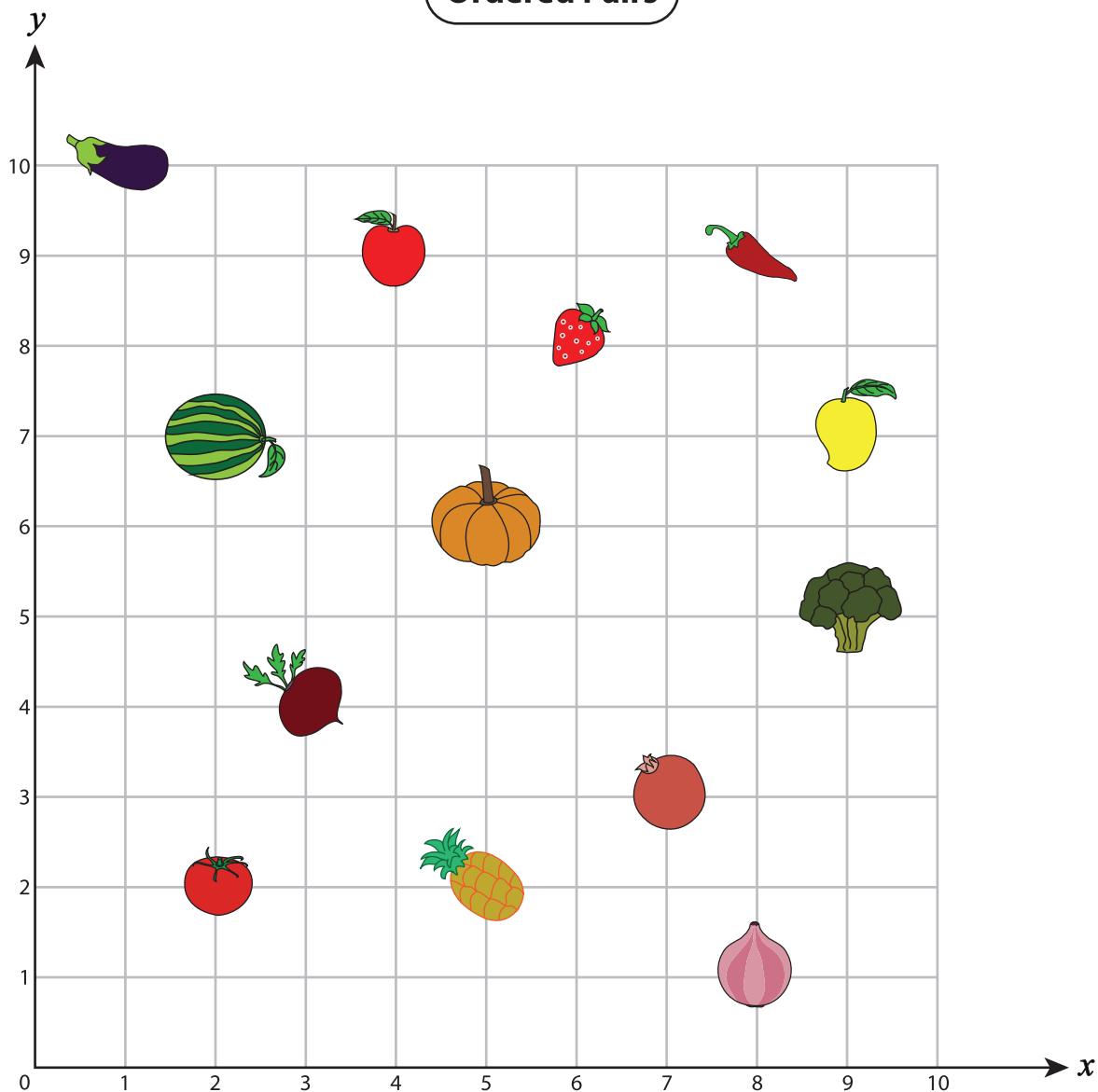
12)



Name : _____

Ordered Pairs

Positive: S1



A) Write the ordered pair for each item.

B) Write the item located at each ordered pair.

1)  _____

6) (2, 2) _____

2)  _____

7) (9, 7) _____

3)  _____

8) (2, 7) _____

4)  _____

9) (3, 4) _____

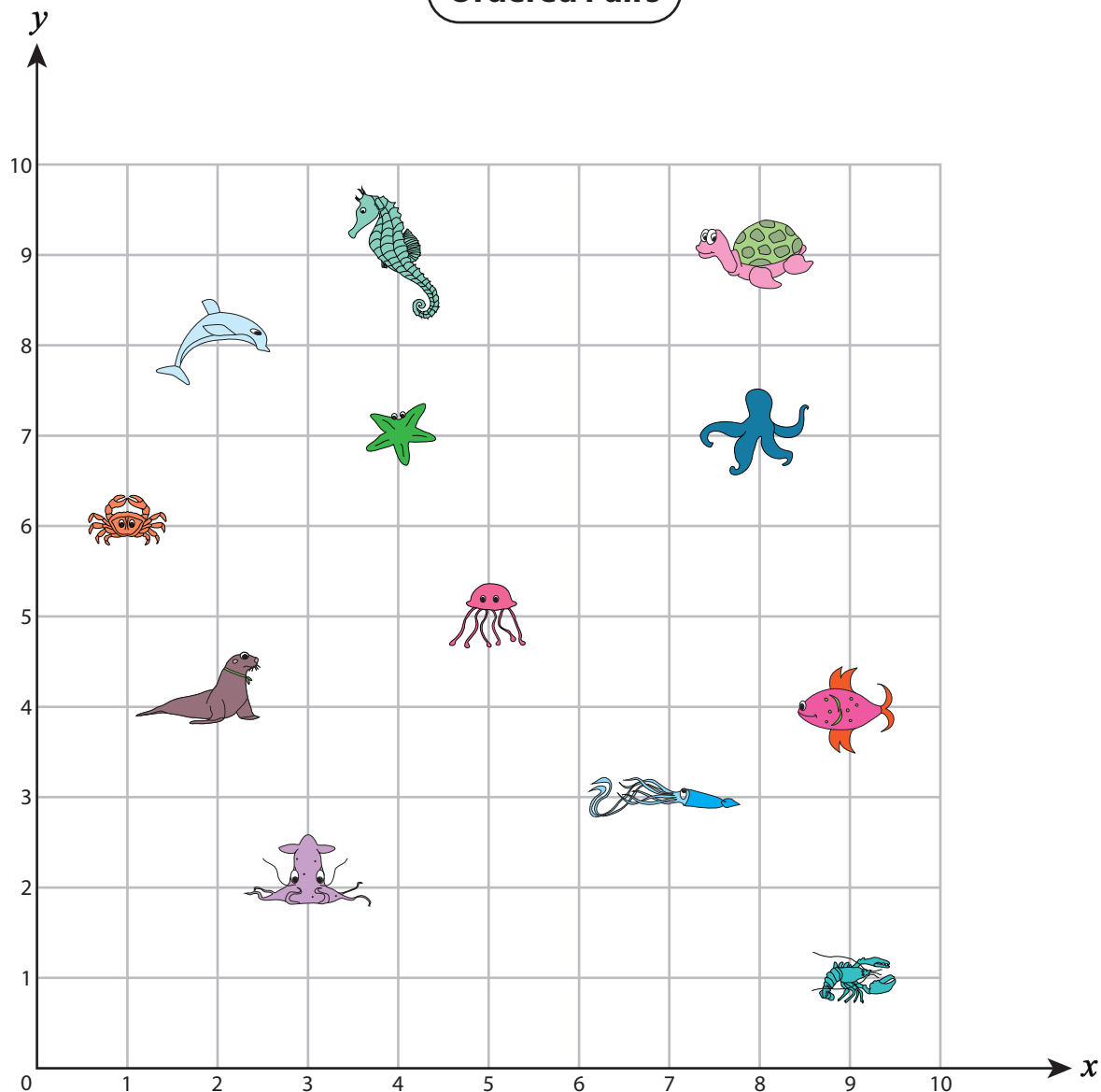
5)  _____

10) (7, 3) _____

Name : _____

Ordered Pairs

Positive: S2



A) Write the ordered pair for each sea creature.

B) Write the sea creature located at each ordered pair.

1)  _____

6) (5, 5) _____

2)  _____

7) (1, 6) _____

3)  _____

8) (4, 7) _____

4)  _____

9) (8, 9) _____

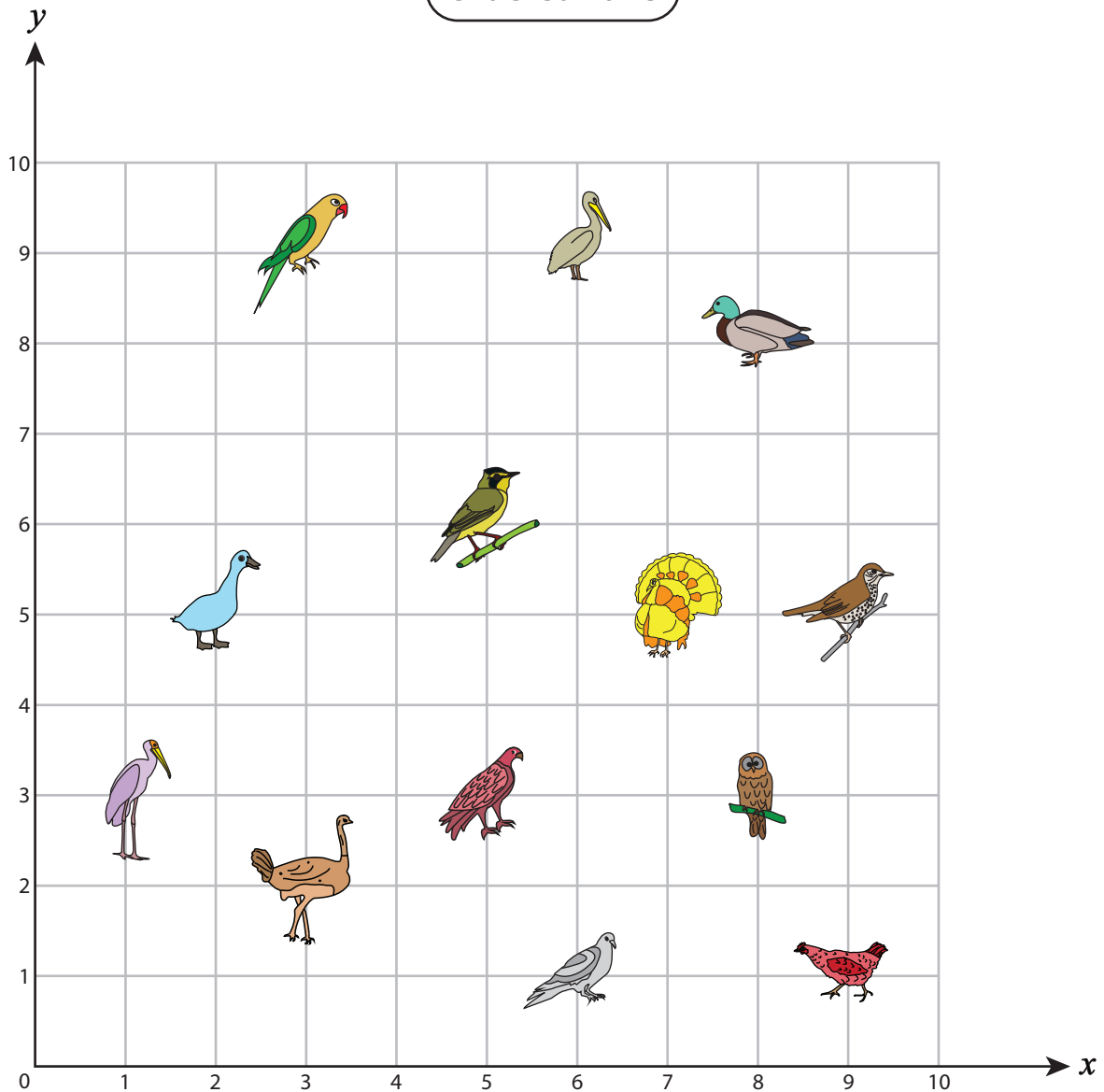
5)  _____

10) (9, 4) _____

Name : _____

Ordered Pairs

Positive: S3



A) Write the ordered pair for each bird.

B) Write the bird located at each ordered pair.

1)  _____

6) (3, 2) _____

2)  _____

7) (2, 5) _____

3)  _____

8) (9, 1) _____

4)  _____

9) (3, 9) _____

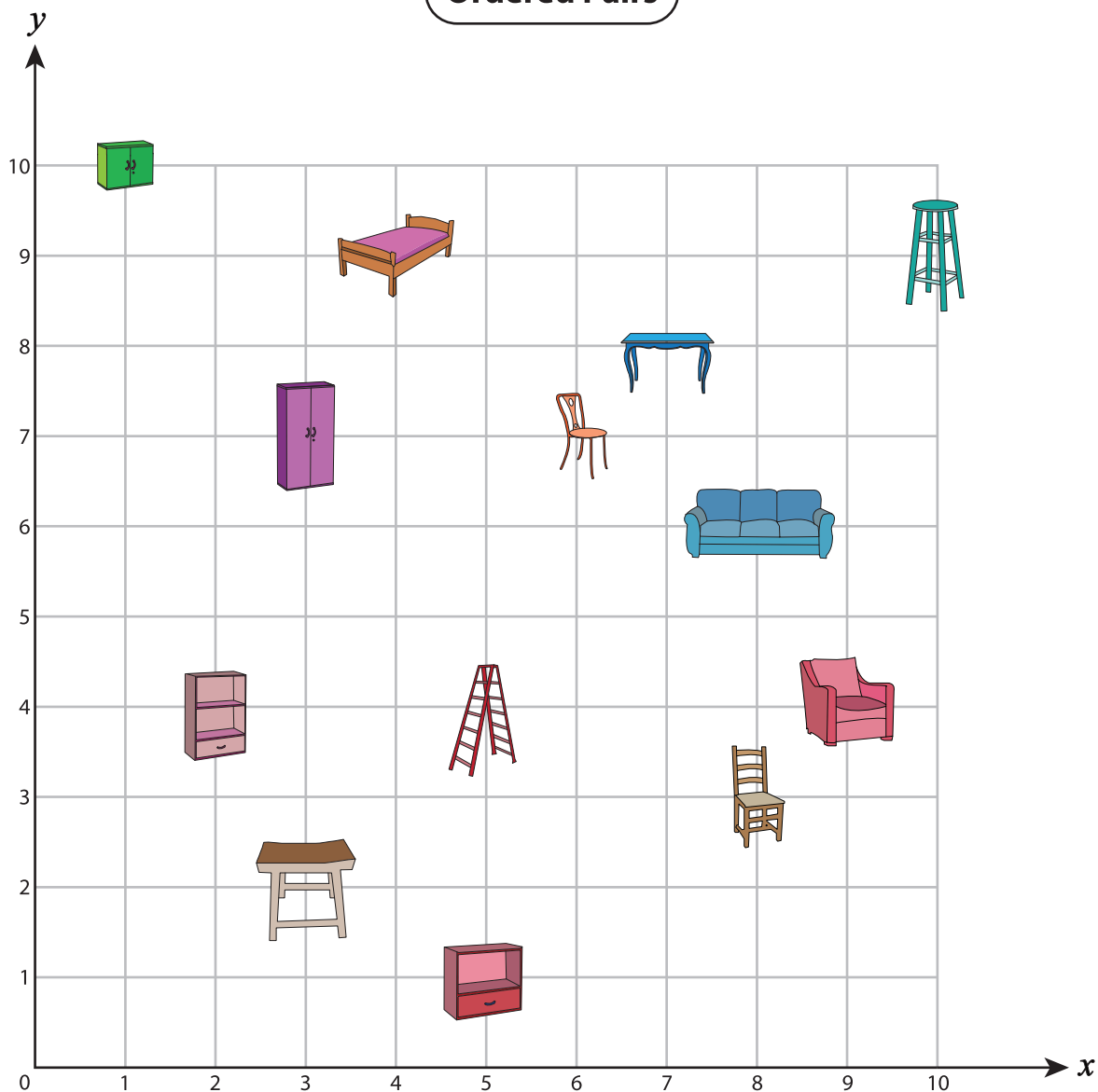
5)  _____

10) (5, 3) _____

Name : _____

Ordered Pairs

Positive: S4



A) Write the ordered pair for each item.

B) Write the item located at each ordered pair.

1)  _____

6) (5, 4) _____

2)  _____

7) (6, 7) _____

3)  _____

8) (8, 6) _____

4)  _____

9) (7, 8) _____

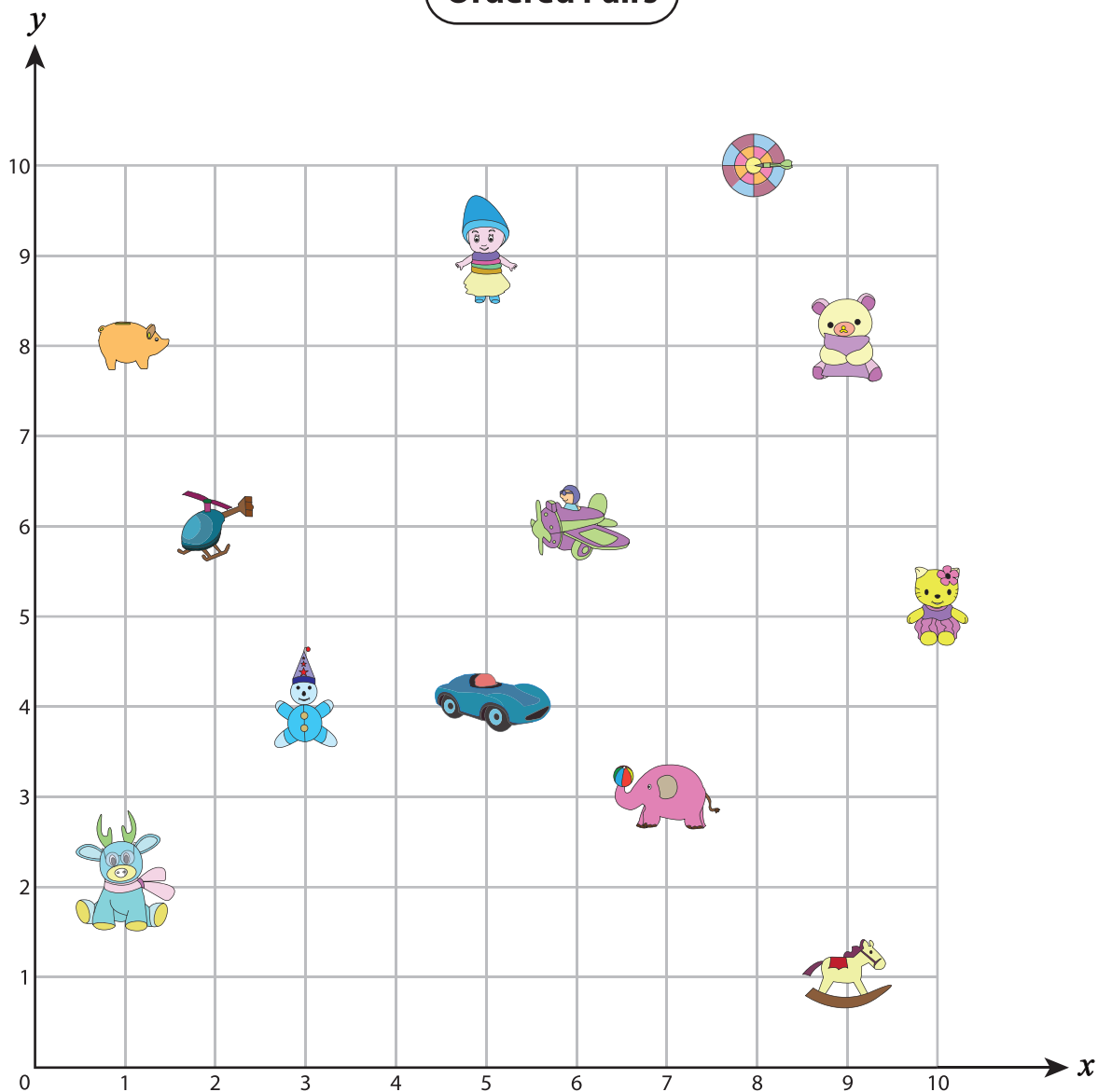
5)  _____

10) (4, 9) _____

Name : _____

Ordered Pairs

Positive: S5



A) Write the ordered pair for each item.

B) Write the item located at each ordered pair.

1)  _____

6) (7, 3) _____

2)  _____

7) (5, 4) _____

3)  _____

8) (9, 8) _____

4)  _____

9) (2, 6) _____

5)  _____

10) (8, 10) _____

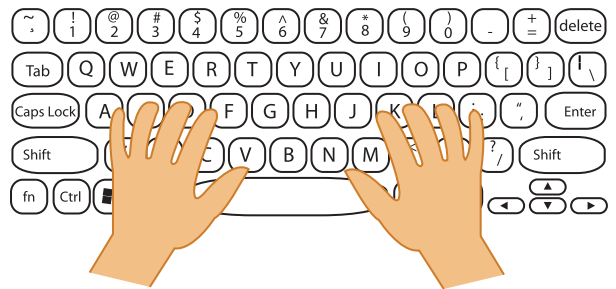
Name : _____

Making a Line Plot

CS1

Thirty students took an online typing test to determine their typing speed. Recorded and tabulated below is the typing speed (words per minute) of each student. Read the data carefully, label the axes, and provide an appropriate title. Also, make a line plot to represent the data.

39	37	40	42	44	41
43	38	39	43	42	40
39	40	41	42	43	44
41	42	44	43	44	40
42	37	43	38	40	41



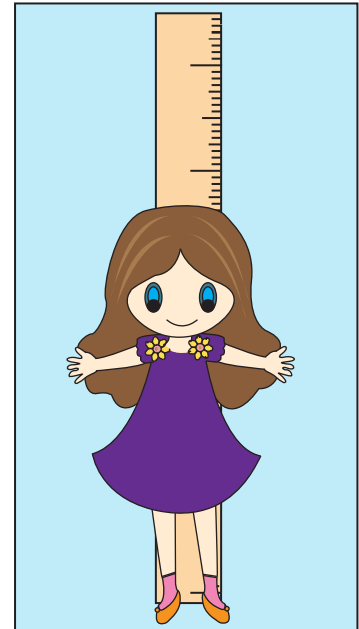
Name : _____

Making a Line Plot

CS2

During a health screening, the height (in inches) of each preschooler in a class of 25 was measured and tabulated. Read the data carefully, label the axes, and provide an appropriate title. Also, represent the data to make a line plot.

33	34	38	37	36
32	37	39	33	35
34	35	36	38	32
33	39	34	35	39
35	38	35	39	36



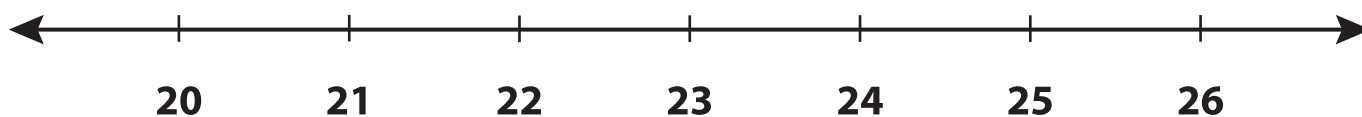
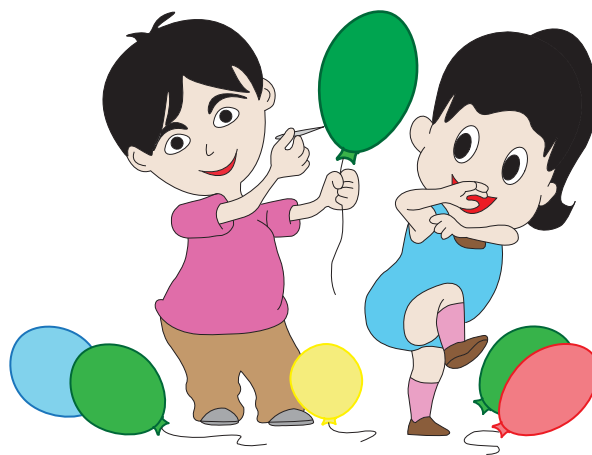
Name : _____

Making a Line Plot

CS3

Twenty children participated in a game of balloon pop at a birthday party. The number of balloons popped by each child is recorded and tabulated below. Read the data carefully, label the axes, and provide an appropriate title. Also, make a line plot to represent the data.

26	20	21	22	21
23	21	26	24	25
20	23	24	23	24
20	22	21	21	23

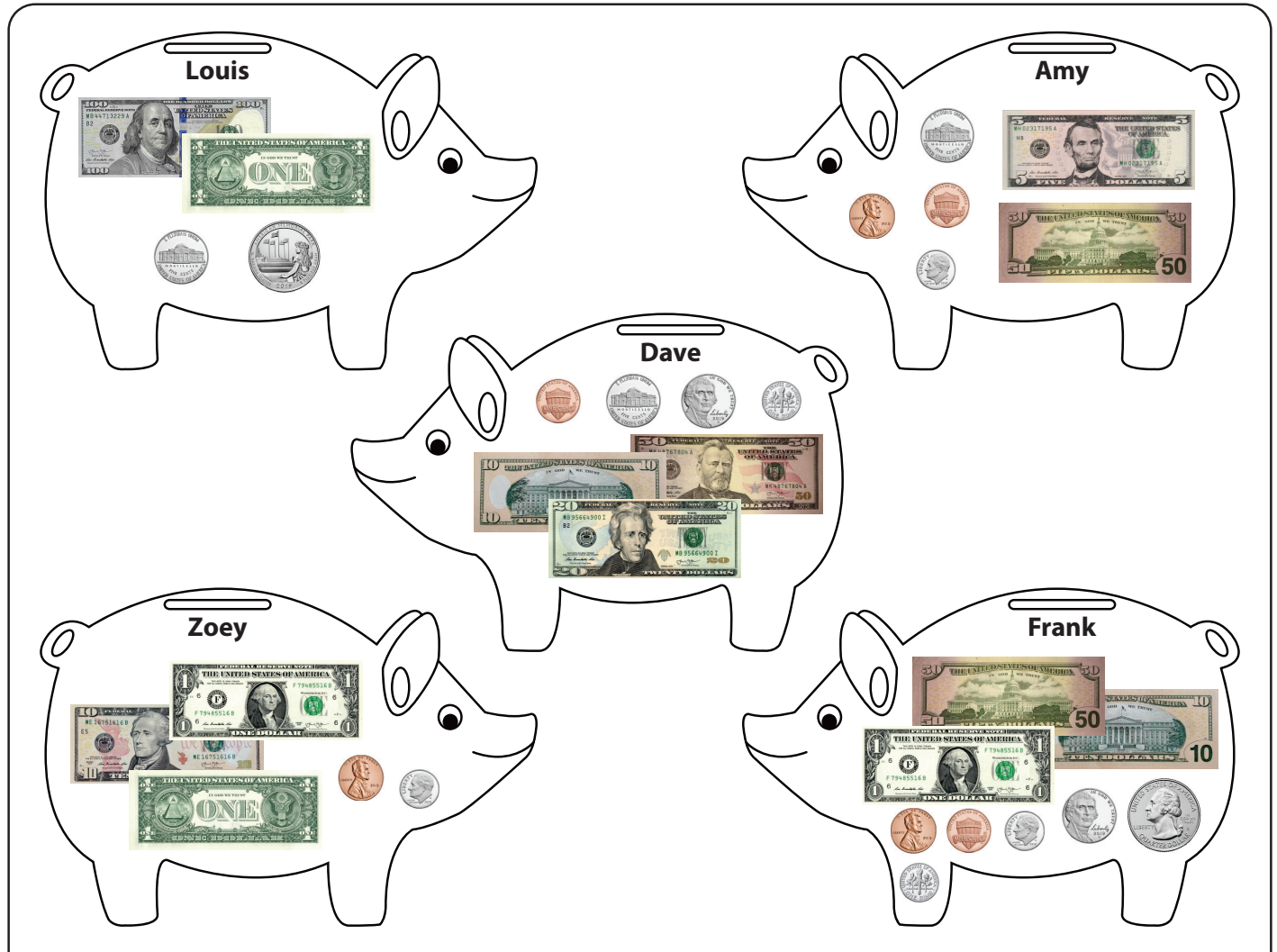


Name : _____

Saving Money

Sheet 1

Find the total amount in each piggy bank and answer the questions.



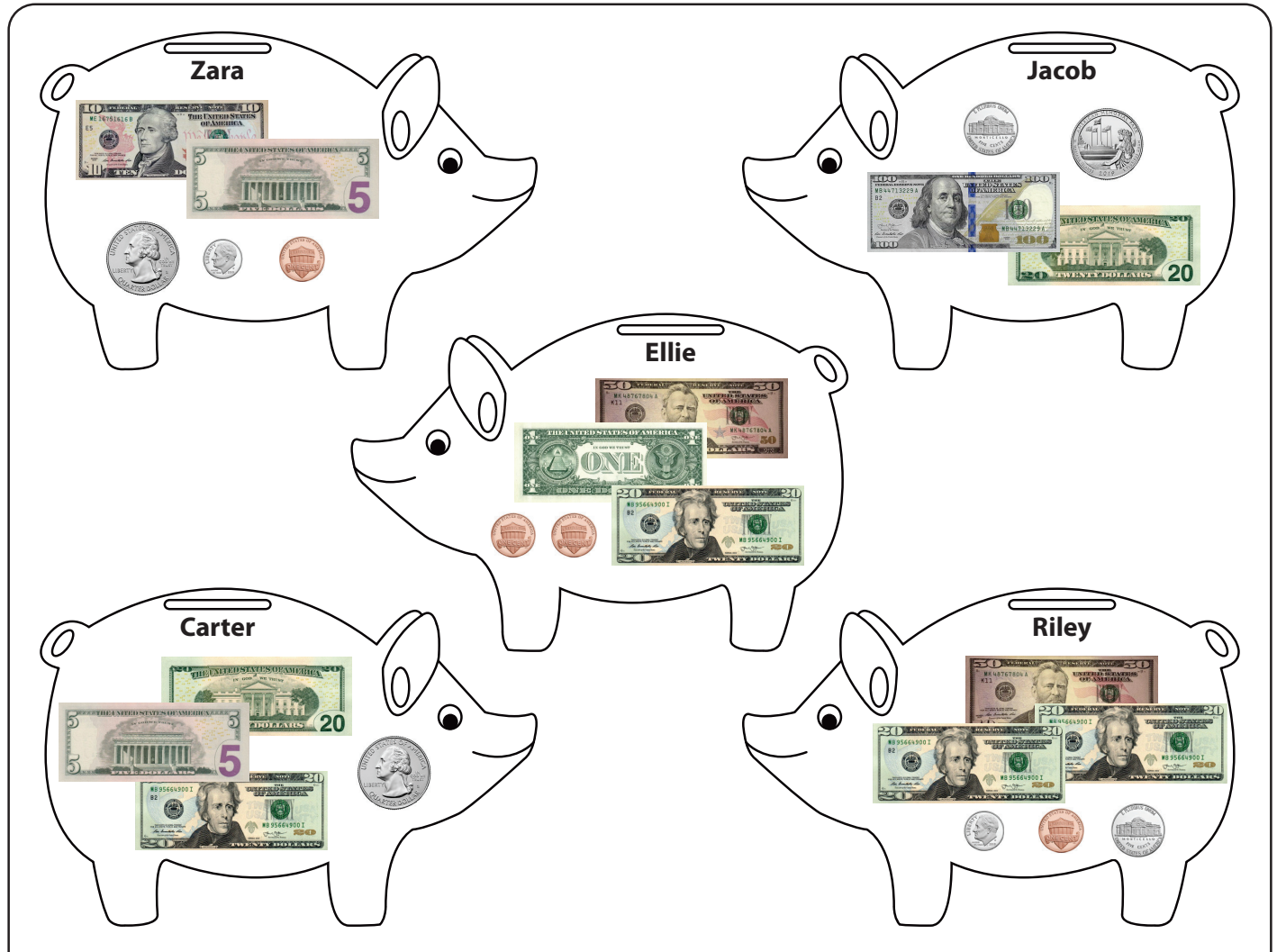
- 1) How much money has Frank saved in his piggy bank? _____
- 2) If Zoey puts a two quarter coin in her piggy bank, what will her savings be? _____
- 3) What is the total savings of Dave and Louis? _____
- 4) Whose piggy bank has \$80.21 saved in it? _____
- 5) If Amy gives all the coins from her piggy bank to her brother, how much will she have? _____

Name : _____

Saving Money

Sheet 2

Find the total amount in each piggy bank and answer the questions.



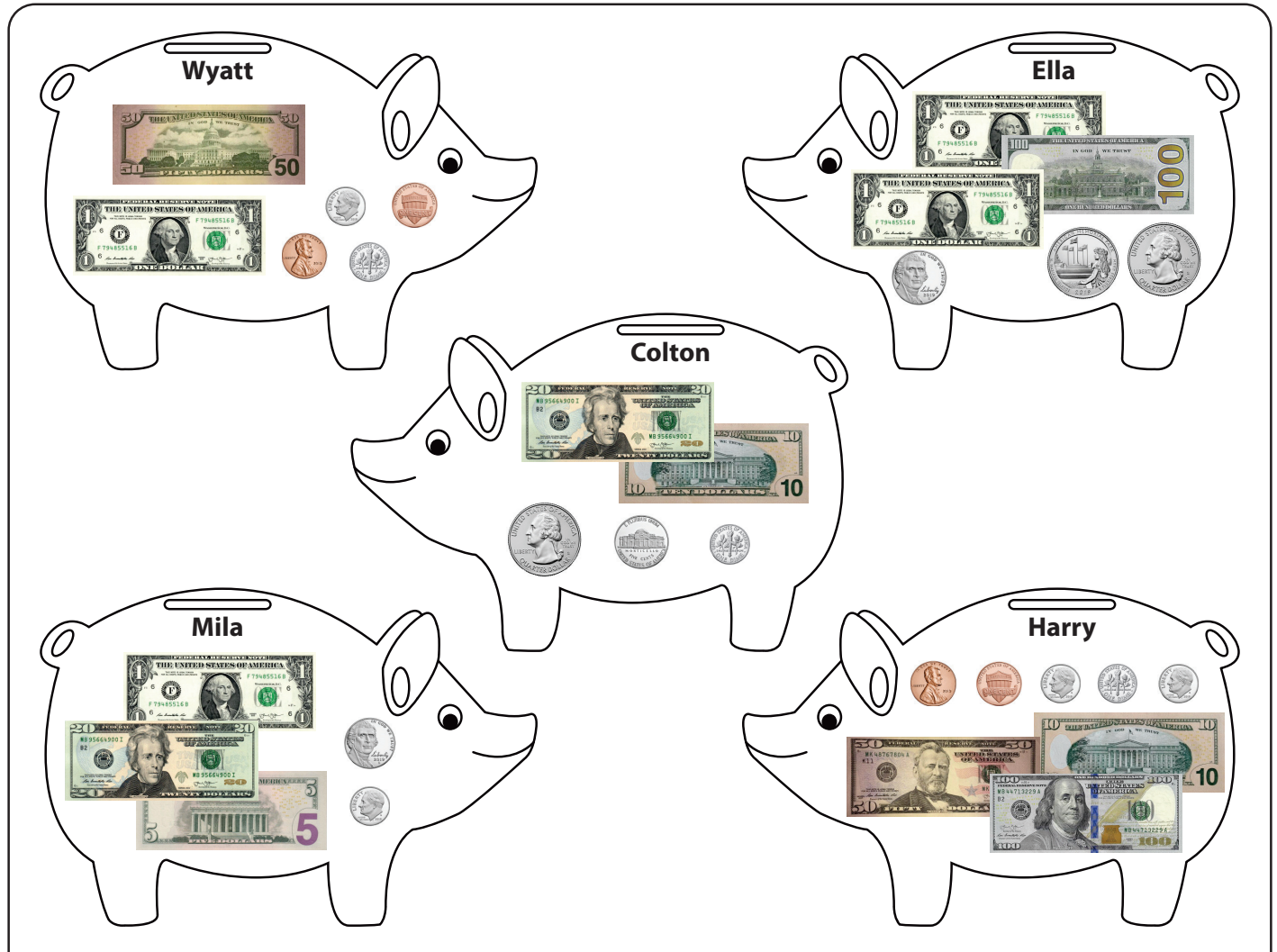
- 1) What is the total savings of Jacob and Carter? _____
- 2) How much money has Jacob saved in his piggy bank? _____
- 3) If Zara puts a dime coin in her piggy bank, what will her savings be? _____
- 4) If Ellie gives all the coins from her piggy bank to her sister, how much will she have? _____
- 5) Whose piggy bank has \$90.16 saved in it? _____

Name : _____

Saving Money

Sheet 3

Find the total amount in each piggy bank and answer the questions.



- 1) Whose piggy bank has \$26.15 saved in it? _____
- 2) What is the total savings of Ella and Harry? _____
- 3) If Colton gives all the coins from his piggy bank to his brother, how much will he have? _____
- 4) If Wyatt puts a nickel coin in his piggy bank, what will his savings be? _____
- 5) How much money has Harry saved in his piggy bank? _____

Name : _____

Time Conversion

HMS1

Example: Convert 9 hours 26 minutes 40 seconds to seconds.

1 hour = 60 minutes
= 60×60 seconds
= 3,600 seconds
1 minute = 60 seconds

9 hours = 9×3600 seconds = 32,400 seconds
26 minutes = 26×60 seconds = 1,560 seconds
40 seconds

34,000 seconds

9 hours 26 minutes 40 seconds = 34,000 seconds

Convert the hours, minutes, and seconds to seconds.

- 1) 8 hours 20 minutes 36 seconds = _____ seconds
- 2) 2 hours 46 minutes 12 seconds = _____ seconds
- 3) 13 hours 18 minutes 50 seconds = _____ seconds
- 4) 9 hours 8 minutes 29 seconds = _____ seconds
- 5) 20 hours 58 minutes 5 seconds = _____ seconds
- 6) 10 hours 32 minutes 46 seconds = _____ seconds
- 7) 16 hours 29 minutes 11 seconds = _____ seconds
- 8) 3 hours 15 minutes 25 seconds = _____ seconds
- 9) 21 hours 30 minutes 30 seconds = _____ seconds
- 10) 14 hours 6 minutes 57 seconds = _____ seconds

Name : _____

Time Conversion

HMS2

Example: Convert 9 hours 26 minutes 40 seconds to seconds.

$$1 \text{ hour} = 60 \text{ minutes}$$

$$= 60 \times 60 \text{ seconds}$$

$$= 3,600 \text{ seconds}$$

$$1 \text{ minute} = 60 \text{ seconds}$$

$$9 \text{ hours} = 9 \times 3600 \text{ seconds} = 32,400 \text{ seconds}$$

$$26 \text{ minutes} = 26 \times 60 \text{ seconds} = 1,560 \text{ seconds}$$

$$40 \text{ seconds}$$

$$\underline{34,000 \text{ seconds}}$$

$$9 \text{ hours } 26 \text{ minutes } 40 \text{ seconds} = \underline{34,000} \text{ seconds}$$

Convert the hours, minutes, and seconds to seconds.

1) 11 hours 33 minutes 55 seconds = _____ seconds

2) 9 hours 27 minutes 48 seconds = _____ seconds

3) 22 hours 40 minutes 38 seconds = _____ seconds

4) 5 hours 56 minutes 8 seconds = _____ seconds

5) 18 hours 35 minutes 49 seconds = _____ seconds

6) 23 hours 10 minutes 26 seconds = _____ seconds

7) 6 hours 43 minutes 19 seconds = _____ seconds

8) 14 hours 52 minutes 45 seconds = _____ seconds

9) 3 hours 2 minutes 16 seconds = _____ seconds

10) 17 hours 59 minutes 31 seconds = _____ seconds

Name : _____

Time Conversion

HMS3

Example: Convert 9 hours 26 minutes 40 seconds to seconds.

$$1 \text{ hour} = 60 \text{ minutes}$$

$$= 60 \times 60 \text{ seconds}$$

$$= 3,600 \text{ seconds}$$

$$1 \text{ minute} = 60 \text{ seconds}$$

$$9 \text{ hours} = 9 \times 3600 \text{ seconds} = 32,400 \text{ seconds}$$

$$26 \text{ minutes} = 26 \times 60 \text{ seconds} = 1,560 \text{ seconds}$$

$$40 \text{ seconds}$$

$$\underline{34,000 \text{ seconds}}$$

$$9 \text{ hours } 26 \text{ minutes } 40 \text{ seconds} = \underline{34,000} \text{ seconds}$$

Convert the hours, minutes, and seconds to seconds.

1) 23 hours 50 minutes 31 seconds = _____ seconds

2) 17 hours 21 minutes 49 seconds = _____ seconds

3) 5 hours 47 minutes 6 seconds = _____ seconds

4) 7 hours 14 minutes 58 seconds = _____ seconds

5) 19 hours 37 minutes 15 seconds = _____ seconds

6) 1 hour 55 minutes 33 seconds = _____ seconds

7) 20 hours 1 minute 40 seconds = _____ seconds

8) 15 hours 28 minutes 53 seconds = _____ seconds

9) 12 hours 42 minutes 17 seconds = _____ seconds

10) 4 hours 18 minutes 27 seconds = _____ seconds

Name : _____

Adding Proper Fractions

ES1

1) $\frac{4}{6} + \frac{1}{6} =$

2) $\frac{2}{9} + \frac{3}{9} =$

3) $\frac{4}{8} + \frac{7}{8} =$

4) $\frac{10}{12} + \frac{6}{12} =$

5) $\frac{9}{10} + \frac{5}{10} =$

6) $\frac{1}{4} + \frac{2}{4} =$

7) $\frac{2}{5} + \frac{4}{5} =$

8) $\frac{6}{7} + \frac{3}{7} =$

9) $\frac{8}{11} + \frac{9}{11} =$

10) $\frac{1}{2} + \frac{1}{2} =$

11) $\frac{3}{7} + \frac{5}{7} =$

12) $\frac{9}{10} + \frac{8}{10} =$

13) $\frac{1}{3} + \frac{1}{3} =$

14) $\frac{5}{8} + \frac{4}{8} =$

Name : _____

Adding Proper Fractions

ES2

1) $\frac{9}{12} + \frac{10}{12} =$

2) $\frac{5}{7} + \frac{6}{7} =$

3) $\frac{1}{2} + \frac{1}{2} =$

4) $\frac{3}{4} + \frac{2}{4} =$

5) $\frac{4}{5} + \frac{3}{5} =$

6) $\frac{6}{10} + \frac{5}{10} =$

7) $\frac{6}{8} + \frac{7}{8} =$

8) $\frac{2}{6} + \frac{5}{6} =$

9) $\frac{9}{10} + \frac{2}{10} =$

10) $\frac{2}{3} + \frac{1}{3} =$

11) $\frac{3}{7} + \frac{5}{7} =$

12) $\frac{6}{11} + \frac{10}{11} =$

13) $\frac{8}{9} + \frac{4}{9} =$

14) $\frac{1}{5} + \frac{3}{5} =$

Name : _____

Adding Proper Fractions

ES3

1) $\frac{1}{3} + \frac{1}{3} =$

2) $\frac{10}{11} + \frac{9}{11} =$

3) $\frac{4}{7} + \frac{6}{7} =$

4) $\frac{1}{8} + \frac{2}{8} =$

5) $\frac{9}{12} + \frac{10}{12} =$

6) $\frac{8}{9} + \frac{5}{9} =$

7) $\frac{3}{6} + \frac{4}{6} =$

8) $\frac{1}{2} + \frac{1}{2} =$

9) $\frac{7}{8} + \frac{3}{8} =$

10) $\frac{4}{5} + \frac{3}{5} =$

11) $\frac{6}{10} + \frac{5}{10} =$

12) $\frac{5}{7} + \frac{3}{7} =$

13) $\frac{1}{4} + \frac{2}{4} =$

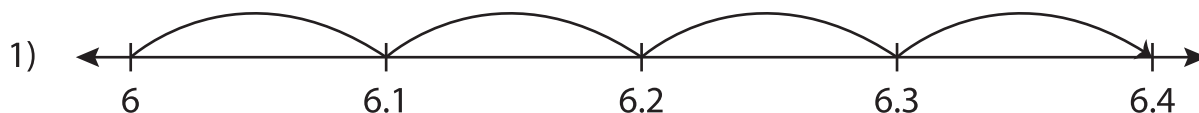
14) $\frac{5}{6} + \frac{4}{6} =$

Name : _____

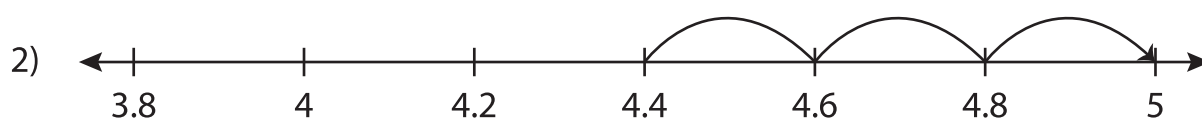
Number Line Addition

Tenth: S1

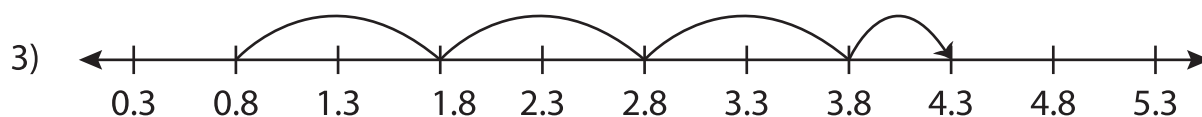
Read each number line and solve the problem.



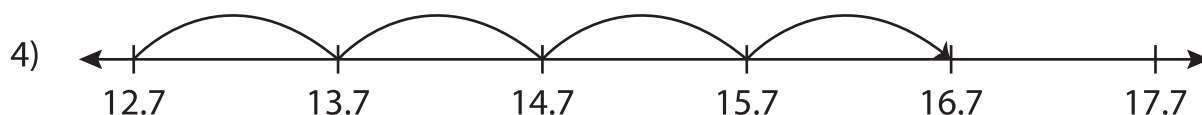
$$6 + 0.4 = \underline{\hspace{2cm}}$$



$$4.4 + 0.6 = \underline{\hspace{2cm}}$$



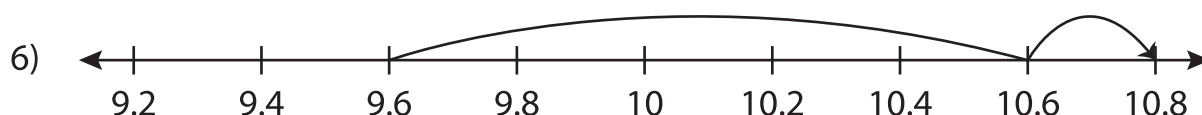
$$0.8 + 3.5 = \underline{\hspace{2cm}}$$



$$12.7 + 4 = \underline{\hspace{2cm}}$$



$$8.2 + 0.8 = \underline{\hspace{2cm}}$$



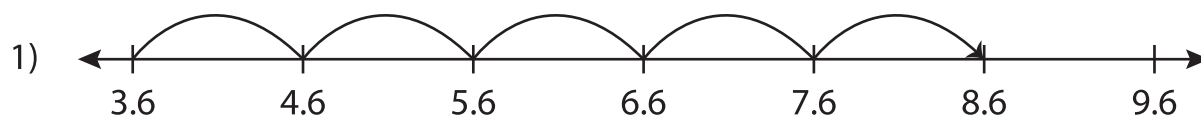
$$9.6 + 1.2 = \underline{\hspace{2cm}}$$

Name : _____

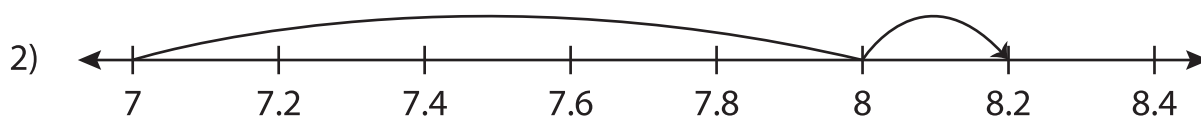
Number Line Addition

Tenth: S2

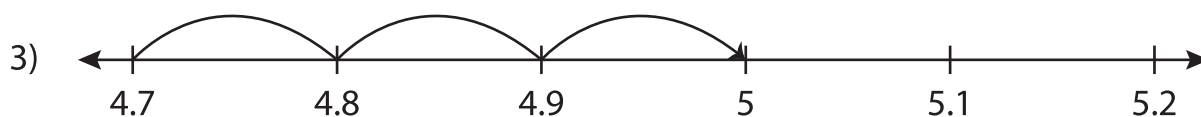
Read each number line and solve the problem.



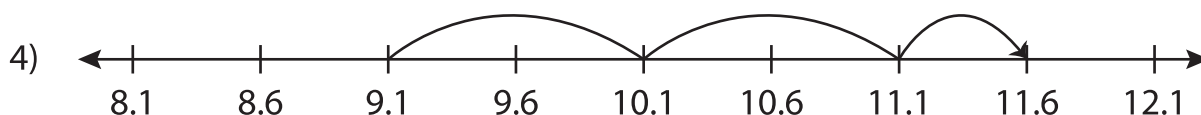
$$3.6 + 5 = \underline{\hspace{2cm}}$$



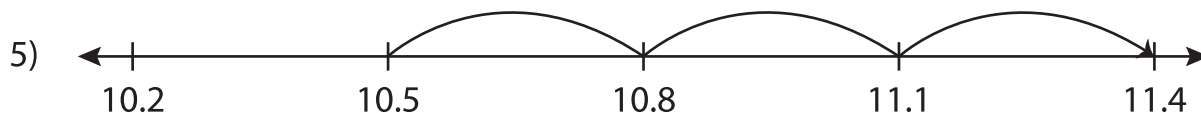
$$7 + 1.2 = \underline{\hspace{2cm}}$$



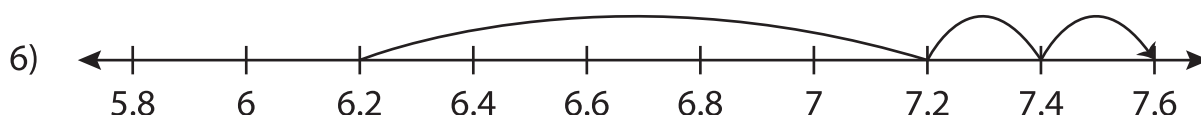
$$4.7 + 0.3 = \underline{\hspace{2cm}}$$



$$9.1 + 2.5 = \underline{\hspace{2cm}}$$



$$10.5 + 0.9 = \underline{\hspace{2cm}}$$



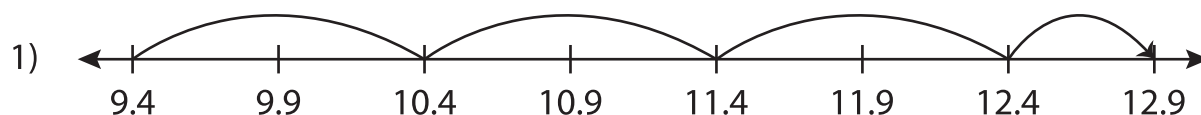
$$6.2 + 1.4 = \underline{\hspace{2cm}}$$

Name : _____

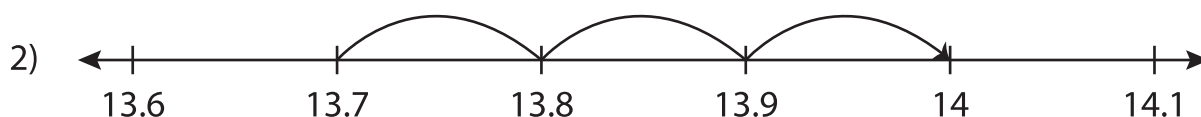
Number Line Addition

Tenth: S3

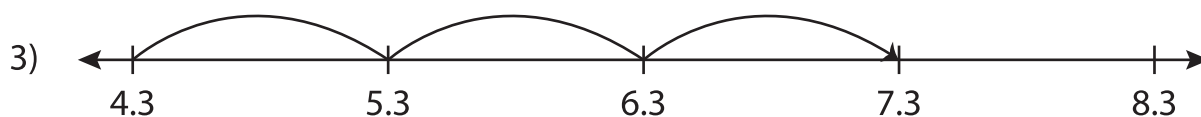
Read each number line and solve the problem.



$$9.4 + 3.5 = \underline{\hspace{2cm}}$$



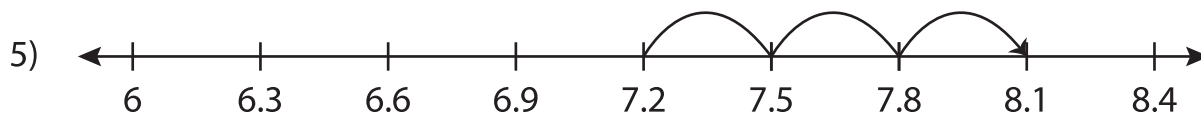
$$13.7 + 0.3 = \underline{\hspace{2cm}}$$



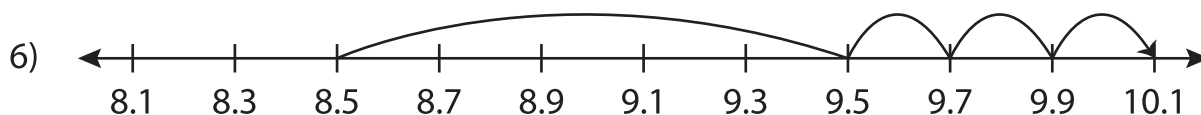
$$4.3 + 3 = \underline{\hspace{2cm}}$$



$$2.2 + 2 = \underline{\hspace{2cm}}$$



$$7.2 + 0.9 = \underline{\hspace{2cm}}$$



$$8.5 + 1.6 = \underline{\hspace{2cm}}$$

Name : _____

Number Line Addition

Tenth: S4

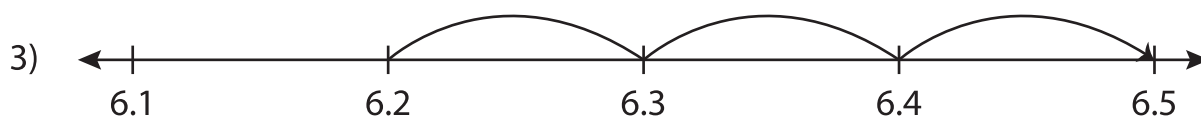
Read each number line and solve the problem.



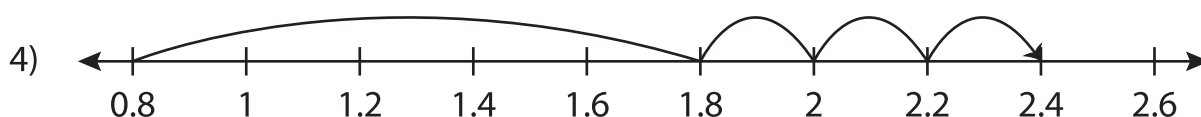
$$5.7 + 6 = \underline{\hspace{2cm}}$$



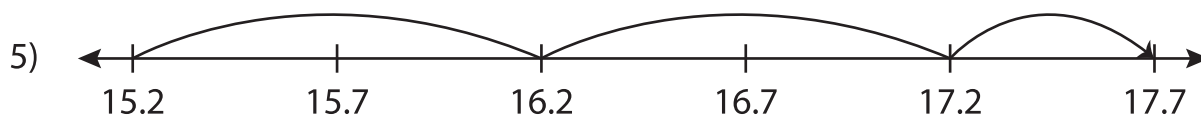
$$2.9 + 1.5 = \underline{\hspace{2cm}}$$



$$6.2 + 0.3 = \underline{\hspace{2cm}}$$



$$0.8 + 1.6 = \underline{\hspace{2cm}}$$



$$15.2 + 2.5 = \underline{\hspace{2cm}}$$



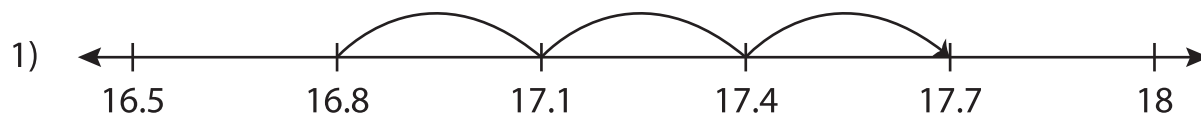
$$9.4 + 0.8 = \underline{\hspace{2cm}}$$

Name : _____

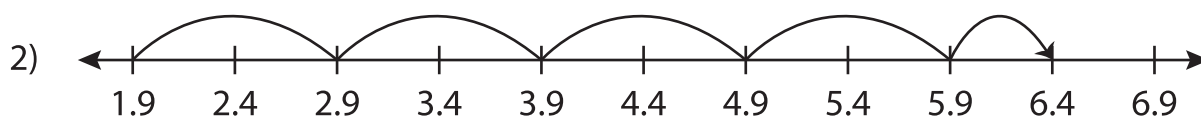
Number Line Addition

Tenth: S5

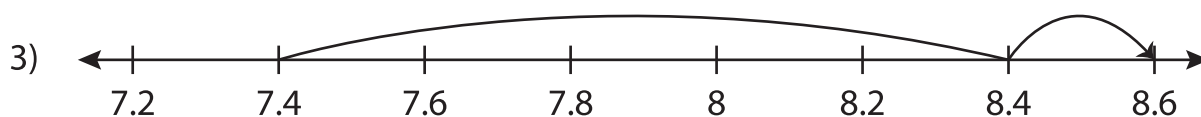
Read each number line and solve the problem.



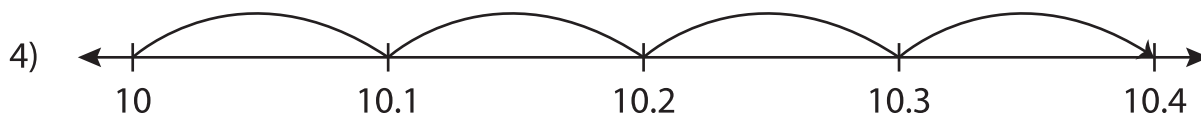
$$16.8 + 0.9 = \underline{\hspace{2cm}}$$



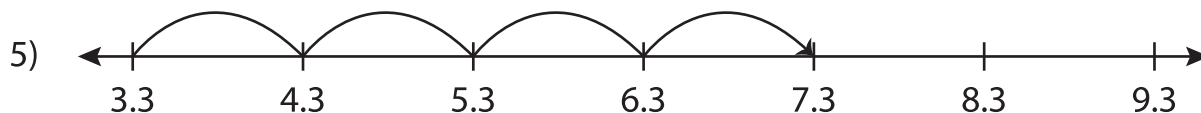
$$1.9 + 4.5 = \underline{\hspace{2cm}}$$



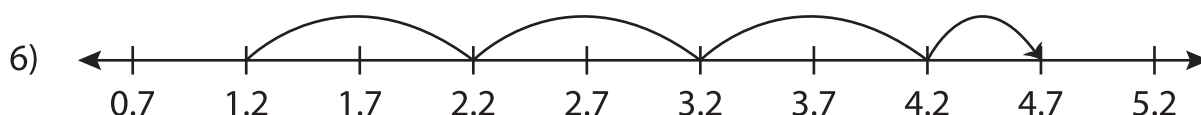
$$7.4 + 1.2 = \underline{\hspace{2cm}}$$



$$10 + 0.4 = \underline{\hspace{2cm}}$$



$$3.3 + 4 = \underline{\hspace{2cm}}$$



$$1.2 + 3.5 = \underline{\hspace{2cm}}$$

Name : _____

Score : _____

Multiplication

3-digit by 2-digit: S1

$$\begin{array}{r} 1) \quad 829 \\ \times \quad 40 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 362 \\ \times \quad 15 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 491 \\ \times \quad 29 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 215 \\ \times \quad 36 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 951 \\ \times \quad 84 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 536 \\ \times \quad 60 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 158 \\ \times \quad 72 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 692 \\ \times \quad 57 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 726 \\ \times \quad 93 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 814 \\ \times \quad 49 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 372 \\ \times \quad 35 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 487 \\ \times \quad 18 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 180 \\ \times \quad 31 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 698 \\ \times \quad 26 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 500 \\ \times \quad 54 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 285 \\ \times \quad 68 \\ \hline \end{array}$$

$$\begin{array}{r} 17) \quad 925 \\ \times \quad 37 \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 382 \\ \times \quad 41 \\ \hline \end{array}$$

$$\begin{array}{r} 19) \quad 416 \\ \times \quad 80 \\ \hline \end{array}$$

$$\begin{array}{r} 20) \quad 721 \\ \times \quad 26 \\ \hline \end{array}$$

Name : _____

Score : _____

Multiplication

3-digit by 2-digit: S2

$$\begin{array}{r} 1) \quad 416 \\ \times \quad 48 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 501 \\ \times \quad 16 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 374 \\ \times \quad 27 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 239 \\ \times \quad 92 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 967 \\ \times \quad 34 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 143 \\ \times \quad 86 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 638 \\ \times \quad 75 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 821 \\ \times \quad 63 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 769 \\ \times \quad 55 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 541 \\ \times \quad 29 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 245 \\ \times \quad 17 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 910 \\ \times \quad 42 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 307 \\ \times \quad 76 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 436 \\ \times \quad 82 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 983 \\ \times \quad 31 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 119 \\ \times \quad 65 \\ \hline \end{array}$$

$$\begin{array}{r} 17) \quad 852 \\ \times \quad 49 \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 748 \\ \times \quad 12 \\ \hline \end{array}$$

$$\begin{array}{r} 19) \quad 506 \\ \times \quad 67 \\ \hline \end{array}$$

$$\begin{array}{r} 20) \quad 281 \\ \times \quad 58 \\ \hline \end{array}$$

Name : _____

Score : _____

Multiplication

3-digit by 2-digit: S3

$$\begin{array}{r} 1) \quad 741 \\ \times \quad 28 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 910 \\ \times \quad 19 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 175 \\ \times \quad 30 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 258 \\ \times \quad 95 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 619 \\ \times \quad 36 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 387 \\ \times \quad 29 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 592 \\ \times \quad 17 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 484 \\ \times \quad 68 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 195 \\ \times \quad 74 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 838 \\ \times \quad 35 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 621 \\ \times \quad 24 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 496 \\ \times \quad 83 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 741 \\ \times \quad 99 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 513 \\ \times \quad 81 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 204 \\ \times \quad 59 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 923 \\ \times \quad 10 \\ \hline \end{array}$$

$$\begin{array}{r} 17) \quad 387 \\ \times \quad 46 \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 690 \\ \times \quad 15 \\ \hline \end{array}$$

$$\begin{array}{r} 19) \quad 811 \\ \times \quad 78 \\ \hline \end{array}$$

$$\begin{array}{r} 20) \quad 624 \\ \times \quad 27 \\ \hline \end{array}$$

Name : _____

Score : _____

Number Names

Mixed: S1

Write each number in words.

1) 172,549,634,207 _____

2) 59,273,006,168 _____

3) 6,080,952,430 _____

4) 836,319,745,212 _____

Write each number in standard form.

1) nine billion, seventy-seven million, three hundred sixty-eight thousand

2) forty-seven billion, one hundred twenty million, six hundred sixteen thousand,
eight hundred ninety-three

3) six hundred one billion, nine hundred eighteen million, four hundred eighty-nine
thousand, seven hundred fifty-six

4) two billion, eight hundred four million, six hundred forty-two thousand, ninety

Name : _____

Score : _____

Number Names

Mixed: S2

Write each number in words.

1) 32,041,852,970 _____

2) 839,674,127,315 _____

3) 50,106,584,263 _____

4) 9,716,208,456 _____

Write each number in standard form.

1) five hundred thirty-six billion, three hundred seven million, eight hundred twenty thousand, nine hundred fifty-two

2) fifteen billion, six hundred eighty-three million, four hundred ninety-one thousand, seven hundred forty-five

3) two billion, four hundred nineteen million, three hundred fifty-six thousand, one hundred twenty-eight

4) nine hundred fifty-one billion, eighty-five million, seventeen thousand, two hundred sixty-four

Name : _____

Score : _____

Number Names

Mixed: S3

Write each number in words.

1) 7,325,192,086 _____

2) 86,452,623,971 _____

3) 295,934,308,069 _____

4) 3,768,214,592 _____

Write each number in standard form.

1) ten billion, six hundred twenty-nine million, seven hundred thirty-two thousand, eighty-five

2) four hundred nineteen billion, nine hundred fifty-six million, eight hundred sixty-five thousand, seven hundred one

3) ninety-three billion, seven hundred one million, one hundred forty-eight thousand, six hundred twenty

4) five billion, three hundred million, thirteen thousand, four hundred fifty-two

Name : _____

Score : _____

Number Names

Mixed: S4

Write each number in words.

1) 28,540,639,857

2) 704,235,981,410

3) 3,059,165,008

4) 14,624,370,092

Write each number in standard form.

1) six hundred eighty-three billion, seven hundred thirty-one million, two hundred fifty thousand, five hundred eighty-four

2) eight billion, four hundred eighty-two million, three hundred fourteen thousand, nine hundred forty-six

3) forty-six billion, eight hundred ninety-four million, seventeen thousand, two hundred fifty-nine

4) one billion, three million, eighty-four thousand, seven hundred

Name : _____

Score : _____

Number Names

Mixed: S5

Write each number in words.

1) 760,534,920,419 _____

2) 67,810,042,354 _____

3) 1,638,276,785 _____

4) 21,362,097,549 _____

Write each number in standard form.

1) two billion, one hundred twenty-eight thousand, three hundred seventy

2) five hundred eighty-two billion, four hundred thirteen million, seven hundred thirty-one thousand, eight hundred ninety-six

3) seventy-one billion, nine hundred twenty-six million, five hundred fifty-three thousand, eighteen

4) nine hundred four billion, eighty-seven million, one hundred sixty-two thousand, six hundred thirty-four

Geometric Pattern

Sheet 1

Identify the number pattern and fill in the missing numbers.

①

2

4

8

16

②

162

54

18

6

③

5

10

20

40

④

324

108

36

12

⑤

7

21

63

189

⑥

486

162

54

18

Geometric Pattern

Sheet 2

Identify the number pattern and fill in the missing numbers.

①

3

12

48

192

②

512

128

32

8

③

8

16

32

64

④

243

81

27

9

⑤

10

30

90

270

⑥

1

4

16

64

Geometric Pattern

Sheet 3

Identify the number pattern and fill in the missing numbers.

①

1

5

25

125

②

32

16

8

4

③

3

9

27

81

④

256

64

16

4

⑤

3

6

12

24

⑥

96

48

24

12

Name : _____

Order of Operations

Sheet 1

Solve

1) $(20 + 80 \div 2 \times 8) \div [(54 \div 9 + 14) \div 4]$

Ans =

2) $3 \times [64 \div (13 - 5) - 4] \times 42 \div 6$

Ans =

3) $\{24 \div [(8 \times 3) \div 4] \times 2\} \times (15 - 4)$

Ans =

4) $[5 \times (54 \div 6 - 3)] + 6 \times 2 - 30$

Ans =

5) $(78 - 6) \div \{18 \times [(8 - 7) \times 2]\}$

Ans =

6) $\{96 \div [36 \div 3 - (18 \times 2 - 30)]\} \div (31 - 16 + 1)$

Ans =

7) $2 \times \{11 + [2 \times (20 - 15 + 8 \times 3)] + 1\}$

Ans =

8) $45 \div 15 \times [(22 - 18) \times (5 + 4 \times 2) - 49]$

Ans =

9) $9 \div 3 \times \{2 \times [(16 \times 4) \div 8]\}$

Ans =

10) $100 - \{4 \times [3 \times (19 + 1) \div 4]\}$

Ans =

Name : _____

Order of Operations

Sheet 2

Solve

1) $27 + 4 - 6 - \{3 \times [(8 - 2) \div (4 - 2)]\} \times 2$

Ans =

2) $\{9 + [(8 \times 14) \div (10 + 18)]\} - (75 - 62)$

Ans =

3) $5 + 18 \div \{[(22 + 2) \div (2 \times 4)] \times 2\} + 29$

Ans =

4) $26 - (36 \div 12 \times 6) + \{4 \times [8 \times (3 - 2)]\}$

Ans =

5) $\{5 \times [(2 + 14) \div 8] + (6 \times 3 - 12)\} \div 16$

Ans =

6) $2 \times [(19 - 4) \div (2 + 1)] - (19 - 15)$

Ans =

7) $[(9 + 1) \div 2] + \{[(5 - 2) - 3] \times 2\}$

Ans =

8) $\{[3 \times (20 \div 4 + 5)] + 45 - 30\} - 40$

Ans =

9) $36 \div \{(25 - 1) \div [(3 \times 2 + 11) - 13]\}$

Ans =

10) $5 \times 12 + \{24 \div 6 + [4 \times (7 - 2)]\} + (5 \times 3 - 13)$

Ans =

Name : _____

Order of Operations

Sheet 3

Solve

1) $5 + [(6 \times 8 - 3) \times (7 - 4)] + 34$

Ans =

2) $[7 \times (11 - 3)] \div (8 \times 5 - 32)$

Ans =

3) $[8 \times (7 - 4) \times (6 - 2)] + (10 - 9 \times 1)$

Ans =

4) $11 \times [52 \div (4 + 9) \times 3 - 6]$

Ans =

5) $6 \times \{[4 \times (15 \times 2 + 12 - 2)] \div 10\}$

Ans =

6) $\{99 \div [8 \times 6 - (19 \times 2 - 1)] - 3\} \div 2$

Ans =

7) $\{[(19 + 1) \div 4] + [(30 - 4) \div 2]\} \times 2$

Ans =

8) $\{[(96 - 12) \div (77 \div 11 - 4)] - 7 \times 2\} + 4$

Ans =

9) $85 \div [30 - (5 \times 2 + 3)] \times 12$

Ans =

10) $90 \div \{[2 \times (20 - 3) + 5 \times 3] - 40\}$

Ans =

Name : _____

Order of Operations

Sheet 4

Solve

1) $\{17 \times [34 - 12 + (2 \times 4)]\} \div 3 - 20$

Ans =

2) $[(75 - 15) - (7 \times 4 + 13)] - 5$

Ans =

3) $92 - 56 + \{3 \times [(42 \div 7) + 2]\}$

Ans =

4) $9 \times \{40 \div [17 - 12 + (18 \div 6 \times 5)]\}$

Ans =

5) $\{[3 + (24 \div 6 \times 5 - 1)] \times 4\} + 16$

Ans =

6) $\{69 + [(4 \times 9) \div (3 \times 2)]\} - 53$

Ans =

7) $\{[(4 \times 1) + 3] \times 5\} - 81 \div 9$

Ans =

8) $55 - \{[2 \times (3 + 35 \div 7)] + (63 \div 9)\} + 4$

Ans =

9) $95 - 10 + \{88 \div [4 \times 66 \div (5 + 1)]\}$

Ans =

10) $[(6 + 8) \times (11 - 3)] \div 14 + 98$

Ans =

Name : _____

Order of Operations: Basic

L3ES1

Solve.

1) $6 + 42 \div 2 - 15$

Ans =

2) $36 - 10 \times 2 \div 5 - 11$

Ans =

3) $25 \times 2 - 42 \div 6 + 18$

Ans =

4) $3 + 32 \div 8 - 5$

Ans =

5) $8 + 9 - 2 \times 3$

Ans =

6) $7 - 6 \times 2 \div 2 + 2$

Ans =

7) $12 \div 2 \times 6 + 4 - 3$

Ans =

8) $63 \div 7 \times 3 - 4$

Ans =

9) $9 + 8 - 2 \times 6$

Ans =

10) $5 + 36 \div 2 \times 3 - 4$

Ans =

Name : _____

Order of Operations: Basic

L3ES2

Solve.

1) $8 + 7 - 27 \div 9$

Ans =

2) $20 \div 4 \times 2 - 7$

Ans =

3) $5 - 8 \div 4 \times 2 - 1$

Ans =

4) $4 \times 6 - 2 + 32 \div 4$

Ans =

5) $13 + 9 - 4 \times 3$

Ans =

6) $15 \div 3 - 2 \times 2$

Ans =

7) $72 \div 6 - 3 \times 3 + 2$

Ans =

8) $15 + 7 \times 3 - 11$

Ans =

9) $5 \times 6 \div 6 + 8 - 5$

Ans =

10) $19 - 4 + 2 \times 3$

Ans =

Name : _____

Order of Operations: Basic

L3ES3

Solve.

1) $2 \times 5 - 4 + 48 \div 6$

Ans =

2) $4 + 32 \div 4 \times 3 - 7$

Ans =

3) $56 \div 7 + 11 - 15$

Ans =

4) $75 \div 5 - 4 \times 3 + 12$

Ans =

5) $31 + 6 - 2 \times 7$

Ans =

6) $81 \div 3 + 4 \times 5$

Ans =

7) $18 + 7 \times 4 \div 2$

Ans =

8) $3 \times 10 \div 2 + 8 - 14$

Ans =

9) $25 + 11 \times 3 - 18$

Ans =

10) $63 \div 3 + 11 \times 3 + 2$

Ans =

Name : _____

Order of Operations: Basic

L3ES4

Solve.

1) $16 - 4 \times 3 + 20 \div 2$

Ans =

2) $32 + 13 - 11 \times 3$

Ans =

3) $36 \div 9 \times 14 - 30$

Ans =

4) $16 + 15 \times 4 \div 2 - 9$

Ans =

5) $18 - 2 + 40 \div 4$

Ans =

6) $3 \times 12 - 34 + 65 \div 13$

Ans =

7) $1 + 5 \times 4 - 42 \div 6$

Ans =

8) $81 \div 9 + 33 - 24$

Ans =

9) $14 + 28 \div 4 - 13$

Ans =

10) $2 \times 5 - 10 + 39 \div 3$

Ans =

Name : _____

Order of Operations: Basic

L3ES5

Solve.

1) $5 \times 4 + 21 \div 7$

Ans =

2) $55 + 72 \div 8 - 10 \times 3$

Ans =

3) $7 - 20 \div 10 \times 3$

Ans =

4) $9 \times 4 - 29 + 40 \div 8$

Ans =

5) $52 \div 4 + 5 \times 2 - 11$

Ans =

6) $60 + 40 - 15 \times 5$

Ans =

7) $21 \times 3 + 18 \div 6 - 50$

Ans =

8) $89 - 71 + 15 \div 3$

Ans =

9) $84 \div 12 + 42 - 6 \times 7$

Ans =

10) $15 \times 6 - 84 + 14$

Ans =

Name : _____

Order of Operations: Basic

L2ES1

Solve.

1) $5 + 8 \div 2 - 7$

Ans =

2) $12 \times 4 - 42 + 20$

Ans =

3) $4 \div 1 + 8 \times 2$

Ans =

4) $17 \times 3 + 15 \div 3$

Ans =

5) $29 - 4 \times 5 + 14$

Ans =

6) $31 \times 2 - 54 - 3$

Ans =

7) $16 \div 8 + 5 + 17$

Ans =

8) $28 + 4 \times 5 \div 5$

Ans =

9) $32 + 9 \times 6 - 84$

Ans =

10) $62 - 33 \div 3 + 14$

Ans =

Name : _____

Order of Operations: Basic

L2ES2

Solve.

1) $25 + 12 \div 6 + 1$

Ans =

2) $8 \times 5 - 21 \div 7$

Ans =

3) $90 \div 10 - 2 \times 4$

Ans =

4) $13 + 4 \times 4 - 8$

Ans =

5) $9 \times 3 + 18 \div 6$

Ans =

6) $45 - 12 \div 6 + 4$

Ans =

7) $72 \div 8 + 4 - 7$

Ans =

8) $24 - 15 \times 3 \div 5$

Ans =

9) $24 + 5 \times 3 + 9$

Ans =

10) $12 - 30 \div 6 \times 2$

Ans =

Name : _____

Order of Operations: Basic

L2ES3

Solve.

1) $19 - 24 \div 3 + 4$

Ans =

2) $7 \times 6 + 10 - 5$

Ans =

3) $54 - 4 \times 3 \times 2$

Ans =

4) $15 \div 3 + 2 \times 8$

Ans =

5) $69 - 18 \div 9 - 6$

Ans =

6) $21 - 5 \times 4 + 25$

Ans =

7) $27 \times 2 + 4 \div 2$

Ans =

8) $8 + 60 \div 5 - 3$

Ans =

9) $36 \div 2 - 12 + 7$

Ans =

10) $56 - 11 \times 4 \div 11$

Ans =

Name : _____

Order of Operations: Basic

L1ES1

Solve.

1) $8 + 96 \div 2$

Ans =

2) $23 \times 4 - 28$

Ans =

3) $42 \div 6 - 3$

Ans =

4) $17 \times 3 + 2$

Ans =

5) $79 - 12 \times 4$

Ans =

6) $3 \times 5 - 10$

Ans =

7) $90 \div 2 + 4$

Ans =

8) $8 + 10 \times 5$

Ans =

9) $3 + 5 \times 7$

Ans =

10) $42 - 15 \div 5$

Ans =

Name : _____

Order of Operations: Basic

L1ES2

Solve.

1) $5 + 99 \div 11$

Ans =

2) $7 \times 6 - 4$

Ans =

3) $30 \div 5 - 2$

Ans =

4) $10 + 3 \times 6$

Ans =

5) $9 \times 3 + 8$

Ans =

6) $31 - 10 \div 5$

Ans =

7) $72 \div 9 + 1$

Ans =

8) $58 \times 2 - 85$

Ans =

9) $16 + 7 \times 4$

Ans =

10) $82 - 15 \div 5$

Ans =

Name : _____

Order of Operations: Basic

L1ES3

Solve.

1) $92 - 36 \div 6$

Ans =

2) $11 \times 8 + 1$

Ans =

3) $38 \times 3 - 65$

Ans =

4) $44 \div 4 + 3$

Ans =

5) $79 - 12 \div 6$

Ans =

6) $51 - 21 \times 2$

Ans =

7) $14 \times 2 + 2$

Ans =

8) $47 + 20 \div 5$

Ans =

9) $24 \div 12 - 1$

Ans =

10) $96 - 22 \times 4$

Ans =

Name : _____

Nested parentheses in PEMDAS

L1DS1

Solve.

1) $4 + ((6 + 5) \times (9 \div 3)) - 12$

Ans =

2) $(4 - (32 - 18)) \times 2 + 5 - 18 \div 9$

Ans =

3) $5 + 20 \div ((18 - 2) \div (2 \times 4)) + 29$

Ans =

4) $75 \div ((15 + 10) \div 5) - 8 \times 3$

Ans =

5) $27 + 6 \div 3 \times (7 - (2 \times 9))$

Ans =

6) $(48 \div (9 - 5) - 15) \times 2 \div 6$

Ans =

7) $((9 + 1) \div 2) + ((5 - 2) \div 3) \times 2$

Ans =

8) $4 \times ((6 + 2) - 5) + 5 \times 3$

Ans =

9) $77 \div (10 - (3 \times 2 + 11)) - 21$

Ans =

10) $5 \times 12 + (24 \div 6 + (7 - 2))$

Ans =

Name : _____

Nested parentheses in PEMDAS

L1DS2

Solve.

1) $36 \div ((5 - 11) \times 2) + 12 - 7$

Ans =

2) $3 + ((38 \div 2) \times 4 + 1) \div 7 + 15$

Ans =

3) $5 + ((16 + 14) \div (3 \times 5)) - 19$

Ans =

4) $8 \times 2 \times ((14 + 4) \div 9) - 10 + 5$

Ans =

5) $((9 - 1) \div 4) \times 7 + 5 - 10 + 12$

Ans =

6) $94 - 27 + ((17 + 5 \times 2) \div 3)$

Ans =

7) $5 \times ((14 - 18) + 12 - 4) \div 4 \times 8$

Ans =

8) $2 \times ((12 + 12) - 18) \div 4 \times 3$

Ans =

9) $10 + (28 \div (2 \times 4 + 6) - 8)$

Ans =

10) $7 + (49 \div (2 \times 3 + 1)) - 13$

Ans =

Name : _____

Nested parentheses in PEMDAS

L1DS3

Solve.

1) $2 + (3 \times (5 - 9) \div 4) - 5$

Ans =

2) $7 + 5 - (14 + (32 - 17)) \times 4 \div 2$

Ans =

3) $5 + 56 \div (42 \div (1 + 2) \times 2) + 13$

Ans =

4) $15 - ((8 + 4) \times 4) \div 12 + 7$

Ans =

5) $3 + ((26 \div 2) \times 3 + 1) \div 5 + 15$

Ans =

6) $((10 \times 5) + 3 - 5) \div 2 + 15$

Ans =

7) $2 + 42 \div (1 + (8 - 2)) \div 6$

Ans =

8) $7 \times ((5 + 12 - 11) \div (1 + 2))$

Ans =

9) $18 \div (11 - (2 \times 4) + 3) - 5$

Ans =

10) $((7 + 5) \div (4 \times 3)) + 8 - 2$

Ans =

Name : _____

Missing Operators

Sheet 1

Fill in the missing operator (+, -, × or ÷) in each problem.

1) $5 \times (26 \square 13) = 65$

2) $(7 + 41) \square 2 - 15 = 9$

3) $7 + 48 \square (18 - 16) = 31$

4) $36 \div 3 \square (10 \times 3) - 18 = 24$

5) $(94 - 16) \div 3 + 2 \square 6 = 38$

6) $(5 \square 17) \div 11 = 2$

7) $18 + (6 - 2) \square 2 = 26$

8) $76 \div (23 - 21) \square (2 + 9) = 27$

9) $48 \square (14 - 12) = 24$

10) $(82 \div 2) \times 3 \square 17 = 106$

Name : _____

Missing Operators

Sheet 2

Fill in the missing operator (+, -, × or ÷) in each problem.

1) $(18 + 12) \square 27 \div 3 = 21$

2) $(12 + 7) \square 2 = 38$

3) $11 \times 5 - (72 \square 18) \div 5 = 37$

4) $40 \square (4 \times 2) - 2 = 3$

5) $78 \square (27 \div 9) = 75$

6) $(12 + 8) \square 3 \div 4 + 1 = 16$

7) $(39 - 13) \square 2 \times 5 - 45 = 20$

8) $(18 + 10) \square 2 \times 3 = 22$

9) $8 + (7 \times 9) \square 12 = 59$

10) $(11 \times 6) \square 14 = 80$

Name : _____

Missing Operators

Sheet 3

Fill in the missing operator (+, -, × or ÷) in each problem.

1) $(18 \square 3) - 21 = 33$

2) $38 + (9 \times 6) \square 3 = 56$

3) $24 \times (15 \div 3) \square 2 \times 17 = 154$

4) $80 \div (6 \square 4) = 8$

5) $(10 + 5) \times 3 \square 25 = 20$

6) $48 \square (4 + 8) \times 2 = 8$

7) $(37 \square 6) \times 2 = 86$

8) $49 \div 7 + 4 \square (87 - 65) = 95$

9) $(55 + 32) \square 12 \times 4 + 17 = 56$

10) $52 \square 9 - (10 \times 3) = 31$

Name : _____

Comparing Quantities

Sheet 1

A) Fill in the box with an appropriate symbol (= or $\neq$).

- 1) $9 + (10 - 2) \times 8$ $(4 \times 6) \div 2 - 5$ 2) $28 - (9 \div 3) + 5$ $(32 + 8) \div 4 \times 3$
- 3) $12 \div 2 + (3 - 6) + 1$ $18 \div (12 - 6) + 7$ 4) $30 \div (2 + 8)$ $17 - 9 \times (2 + 1)$
- 5) $(1 + 3) \times 2$ $5 + 8 - 30 \div (4 + 2)$ 6) $5 \times (5 + 2) - 21$ $2 \times (4 + 24) \div 4$

B) Fill in the box with an appropriate symbol (< , > or =).

- 7) $(2 + 7) \div 9$ $5 \times (6 - 18) + 3$ 8) $6 \div (2 + 1) \times 2$ $2 \times (4 + 10)$
- 9) $(4 - 9) \times 3 + 7 - 2$ $6 - 48 \div (4 \times 2)$ 10) $(8 - 2) \times 4 + 9$ $(8 \div 2) \times 7 - 1 + 6$
- 11) $2 \times (12 \div 4) + 5$ $(5 + 7) \div 2 - 7 + 12$ 12) $7 \times (21 \div 3)$ $9 + (4 - 6) \times 7$

C) Match the equal quantities.

13) $4 + 6 \times (6 - 2)$ ○

○ $3 \times (6 - 5) + 7$

14) $(1 + 1) \times 4$ ○

○ $4 \times (2 + 2)$

15) $7 + 24 \div (6 + 2)$ ○

○ $28 \div (5 - 3) + 14$

16) $(6 \times 4) \div 3 + 9 - 1$ ○

○ $2 \times (7 + 9) \div 4$

Name : _____

Comparing Quantities

Sheet 2

A) Fill in the box with an appropriate symbol (= or $\neq$).

- | | | | | | |
|----------------------------------|----------------------|--------------------------------|---------------------------|----------------------|----------------------------|
| 1) $(12 \div 6) \times 2 + 7$ | <input type="text"/> | $8 \div (3 + 1) + 13$ | 2) $9 - (2 \times 3) + 4$ | <input type="text"/> | $14 + 1 - (8 \times 3)$ |
| 3) $5 - 2 \times (8 \div 2) + 4$ | <input type="text"/> | $9 \div (4 + 5)$ | 4) $(7 + 2) \div 9$ | <input type="text"/> | $(3 + 10) \div 13$ |
| 5) $32 \div (9 - 5)$ | <input type="text"/> | $2 \times 6 - 16 \div (2 + 2)$ | 6) $5 \times (3 + 2) + 6$ | <input type="text"/> | $9 + (2 \times 3) - 3 + 1$ |

B) Fill in the box with an appropriate symbol (<, > or =).

- | | | | | | |
|----------------------------------|----------------------|----------------------------|------------------------------|----------------------|-------------------------------|
| 7) $6 \times (4 + 2) - 11$ | <input type="text"/> | $49 \div (3 + 4)$ | 8) $(7 \times 1) - 9 \div 3$ | <input type="text"/> | $10 - (30 \div 5)$ |
| 9) $3 + (2 - 4) \times 8 \div 2$ | <input type="text"/> | $12 - (4 \div 2) \times 4$ | 10) $5 + (4 \times 6) - 8$ | <input type="text"/> | $81 \div 9 + (15 - 3)$ |
| 11) $4 \times 3 + (11 - 5)$ | <input type="text"/> | $(6 + 1) \times 8$ | 12) $2 - 6 \div (2 + 1)$ | <input type="text"/> | $8 \div (2 + 2) - 4 \times 3$ |

C) Match the equal quantities.

13) $(9 + 1) \times 3 - 11$

$21 \div (11 - 4)$

14) $10 - 15 \div 5 + (1 \times 8)$

$(6 + 1) \times 4 - 9$

15) $5 + 30 \div (10 - 4)$

$3 \times (4 + 1)$

16) $(2 - 1) \times 3$

$(5 \times 4) - 12 + 2$

Name : _____

Comparing Quantities

Sheet 3

A) Fill in the box with an appropriate symbol (= or $\neq$).

1) $(25 - 9) \div 8 + 4$ $20 + 14 \div (8 - 1) \times 3$ 2) $32 \div (6 + 2)$ $(7 + 5) \div 6 \times 2$

3) $4 \times (3 + 5) - 2$ $40 \div (3 + 2)$ 4) $(8 \div 4) + 8 + 1$ $17 - 9 \times (2 + 8)$

5) $(8 + 3) - 8 \div 4$ $10 + (4 - 11) \div 7$ 6) $4 \times (3 + 2) \div 4$ $(25 - 10) \div 3$

B) Fill in the box with an appropriate symbol (<, > or =).

7) $2 + (8 \div 4)$ $(11 \times 2) - 14$ 8) $4 \div (2 + 2) \times 8$ $(1 \times 3) + 9 - 4$

9) $(9 - 7) \times 3 + 5$ $6 - 27 \div (3 \times 3)$ 10) $(17 - 4) \times 5$ $6 \div 2 \times (5 - 1) + 3$

11) $8 \times 2 \div 4 + (1 + 3)$ $(10 + 4) \div 2 + 9$ 12) $6 \times (18 \div 9)$ $26 + 6 - (5 \times 4)$

C) Match the equal quantities.

13) $(6 + 3) \times 2 - 3$ ○

○ $(11 - 2) \times 3$

14) $15 + (4 - 2) \times 6$ ○

○ $11 + (4 \times 2) + 9$

15) $(9 + 5) \times 2$ ○

○ $25 \div 5 - (3 + 6)$

16) $6 - 5 \times (1 + 7) \div 4$ ○

○ $(24 - 3) - 60 \div 10$

Name : _____

Nested parentheses in PEMDAS

L1MS1

Solve.

1) $7 - 75 \div (4 + (7 \times 3))$

Ans =

2) $6 - 72 \div ((5 + 7) \times 6) + 9$

Ans =

3) $28 \div 7 + ((6 \times 2) + 4) \div 8$

Ans =

4) $90 \div ((12 \times 2) + 6) - 5$

Ans =

5) $((16 \times 7) + 4 - 6) \div 10$

Ans =

6) $((8 \times 12) \div 3) - 5 + 2$

Ans =

7) $17 + ((18 - 2) \div 8) \times 4 + 15$

Ans =

8) $6 + ((2 \times 18) - 22) \div 7$

Ans =

9) $8 + 45 \div ((2 + 1) \times 5) - 8$

Ans =

10) $4 - ((21 + 3) \times 6) + 12$

Ans =

Name : _____

Nested parentheses in PEMDAS

L1MS2

Solve.

1) $((4 \times 2) + 8) \div 4 - 11$

Ans =

2) $15 + (2 - (14 \times 3)) \div 5 + 2$

Ans =

3) $84 \div ((5 + 2) \times 2) + 4 \times 3$

Ans =

4) $((8 + 4) \div (8 - 5)) \times 3$

Ans =

5) $10 \times 2 + (7 - (63 \div 9))$

Ans =

6) $((4 \times 5) + 9 - 5) \div 6$

Ans =

7) $14 + ((11 - 5) \div 2) \div 3$

Ans =

8) $3 \times 5 + ((18 \div 6) - 16) + 1$

Ans =

9) $67 - ((32 - 8) \times 4) \div 12 - 4$

Ans =

10) $4 + ((18 + 13) \times 3) \div 3$

Ans =

Name : _____

Nested parentheses in PEMDAS

L1MS3

Solve.

1) $70 \div (((4 + 8) \times 7) \div 6)$

Ans =

2) $5 + (6 - (22 + 11) \times 2) \div 10$

Ans =

3) $((24 \div 2) \div 3) \times 5 + 8 \div 2$

Ans =

4) $12 + (40 \div (5 \times 2) - 12)$

Ans =

5) $3 \times (18 - (42 \div 6) + 1)$

Ans =

6) $64 + 7 - ((12 \div 6) \times 2)$

Ans =

7) $(5 \times (1 + 7) - 13) \div 9 + 19$

Ans =

8) $7 \times 6 \div ((16 + 12) - 7)$

Ans =

9) $90 - (4 \times (2 + 1)) \div 6$

Ans =

10) $45 \div ((2 + 5) - 4) + 24$

Ans =

Name : _____

Nested parentheses in PEMDAS

L1MS4

Solve.

1) $29 + (14 \times (9 - 4)) \div 7 - 5$

Ans =

2) $13 \times 8 + ((55 - 7) \div 12)$

Ans =

3) $(2 \times (51 \div 3)) - 54 + 5$

Ans =

4) $19 - 61 + ((3 \times 12) \div 9) - 14$

Ans =

5) $35 - ((27 \div 3) + 11) \times 3 \div 10$

Ans =

6) $120 + (15 \times (39 \div 13)) - 43$

Ans =

7) $19 \times 65 \div (2 + (1 - 16))$

Ans =

8) $((4 \times 15) + 27) \div 3 - 90 \div 2$

Ans =

9) $180 \div ((7 + 3) \times 2) - 1 + 4$

Ans =

10) $(50 + (35 \div 7)) - 2 \times 4$

Ans =

Name : _____

Nested parentheses in PEMDAS

L1ES1

Solve.

1) $(1 + (2 + 16) \times 8) \div 5$

Ans =

2) $((35 - 34) + 11) \times 3$

Ans =

3) $((18 - 4) \div 7) \times 4 + 1$

Ans =

4) $25 \times ((48 \div 4) - 9)$

Ans =

5) $36 \div (8 - (2 \times 3))$

Ans =

6) $54 \div ((10 - 2) - 6) \times 3$

Ans =

7) $((24 + 9) - 3) \div 6$

Ans =

8) $4 \times ((6 + 14) - 12)$

Ans =

9) $10 + (3 \times (5 + 10)) - 2$

Ans =

10) $((2 \times 19) + 27) \div 5$

Ans =

Name : _____

Nested parentheses in PEMDAS

L1ES2

Solve.

1) $2 + ((3 \times 11) - 9) \div 4$

Ans =

2) $(4 + (35 - 12)) \times 2$

Ans =

3) $88 \div ((4 + 7) \times 4) + 1$

Ans =

4) $65 - ((8 + 3) \times 4)$

Ans =

5) $85 \div (8 + (3 \times 3))$

Ans =

6) $((14 \times 5) + 7) - 5 \div 2$

Ans =

7) $54 + ((8 - 2) \div 6)$

Ans =

8) $7 \times ((5 + 12) - 11)$

Ans =

9) $((11 + 2) \times 4) + 14 - 5$

Ans =

10) $((7 + 5) \div 6) \times 3$

Ans =

Name : _____

Nested parentheses in PEMDAS

L1ES3

Solve.

1) $(5 - (12 \div 3) + 9) \times 4$

Ans =

2) $(6 - (36 \div 12)) + 8$

Ans =

3) $15 \div 3 + ((8 \times 3) + 2)$

Ans =

4) $68 \div ((4 \times 6) + 10) - 1$

Ans =

5) $7 \times (8 + (6 - 5)) \div 7$

Ans =

6) $((4 \times 5) \div 2) - 5 + 2$

Ans =

7) $((54 + 10 - 4) \div 5) \times 3$

Ans =

8) $7 \times ((9 + 1) \div 5)$

Ans =

9) $12 + ((22 \div 2) \times 8) - 5$

Ans =

10) $((22 - 18) + 3) \times 3$

Ans =

Name : _____

Nested parentheses in PEMDAS

L1ES4

Solve.

1) $5 \times ((56 - 18) \div 2)$

Ans =

2) $(91 - (15 + 6) \times 4) + 11$

Ans =

3) $((2 + 1) \times 6) - 10$

Ans =

4) $35 \div 5 + ((4 \times 9) - 2)$

Ans =

5) $3 \times (68 \div (19 + 15) \times 36)$

Ans =

6) $77 - (54 + (21 \div 3))$

Ans =

7) $(60 - (12 \times 4)) \div 3 + 2$

Ans =

8) $(17 + (56 \div 8)) - 11$

Ans =

9) $50 \div ((12 + 7) - 14)$

Ans =

10) $11 + ((5 \times 15) - 39) \div 6$

Ans =

Name : _____

Nested parentheses in PEMDAS

L1ES5

Solve.

1) $(29 - (5 \times 5)) \div 4$

Ans =

2) $88 + 65 - ((44 \div 4) \times 3)$

Ans =

3) $74 + (60 \div (6 \times 2)) - 49$

Ans =

4) $((12 \times 5) \div 10) - 1$

Ans =

5) $10 \times (4 + (16 - 11))$

Ans =

6) $25 + ((12 \div 6) \times 7) - 30$

Ans =

7) $60 \div 5 + ((9 - 4) \times 7)$

Ans =

8) $((12 - 8) \times 16) + 59$

Ans =

9) $84 - (32 \div (2 \times 4))$

Ans =

10) $60 + (50 \times (20 - 4)) \div 8$

Ans =

Name : _____

Order of Operations

Sheet 1

Solve

1) $(20 + 80 \div 2 \times 8) \div [(54 \div 9 + 14) \div 4]$

Ans =

2) $3 \times [64 \div (13 - 5) - 4] \times 42 \div 6$

Ans =

3) $\{24 \div [(8 \times 3) \div 4] \times 2\} \times (15 - 4)$

Ans =

4) $[5 \times (54 \div 6 - 3)] + 6 \times 2 - 30$

Ans =

5) $(78 - 6) \div \{18 \times [(8 - 7) \times 2]\}$

Ans =

6) $\{96 \div [36 \div 3 - (18 \times 2 - 30)]\} \div (31 - 16 + 1)$

Ans =

7) $2 \times \{11 + [2 \times (20 - 15 + 8 \times 3)] + 1\}$

Ans =

8) $45 \div 15 \times [(22 - 18) \times (5 + 4 \times 2) - 49]$

Ans =

9) $9 \div 3 \times \{2 \times [(16 \times 4) \div 8]\}$

Ans =

10) $100 - \{4 \times [3 \times (19 + 1) \div 4]\}$

Ans =

Name : _____

Order of Operations

Sheet 2

Solve

1) $27 + 4 - 6 - \{3 \times [(8 - 2) \div (4 - 2)]\} \times 2$

Ans =

2) $\{9 + [(8 \times 14) \div (10 + 18)]\} - (75 - 62)$

Ans =

3) $5 + 18 \div \{[(22 + 2) \div (2 \times 4)] \times 2\} + 29$

Ans =

4) $26 - (36 \div 12 \times 6) + \{4 \times [8 \times (3 - 2)]\}$

Ans =

5) $\{5 \times [(2 + 14) \div 8] + (6 \times 3 - 12)\} \div 16$

Ans =

6) $2 \times [(19 - 4) \div (2 + 1)] - (19 - 15)$

Ans =

7) $[(9 + 1) \div 2] + \{[(5 - 2) - 3] \times 2\}$

Ans =

8) $\{[3 \times (20 \div 4 + 5)] + 45 - 30\} - 40$

Ans =

9) $36 \div \{(25 - 1) \div [(3 \times 2 + 11) - 13]\}$

Ans =

10) $5 \times 12 + \{24 \div 6 + [4 \times (7 - 2)]\} + (5 \times 3 - 13)$

Ans =

Name : _____

Order of Operations

Sheet 3

Solve

1) $5 + [(6 \times 8 - 3) \times (7 - 4)] + 34$

Ans =

2) $[7 \times (11 - 3)] \div (8 \times 5 - 32)$

Ans =

3) $[8 \times (7 - 4) \times (6 - 2)] + (10 - 9 \times 1)$

Ans =

4) $11 \times [52 \div (4 + 9) \times 3 - 6]$

Ans =

5) $6 \times \{[4 \times (15 \times 2 + 12 - 2)] \div 10\}$

Ans =

6) $\{99 \div [8 \times 6 - (19 \times 2 - 1)] - 3\} \div 2$

Ans =

7) $\{[(19 + 1) \div 4] + [(30 - 4) \div 2]\} \times 2$

Ans =

8) $\{[(96 - 12) \div (77 \div 11 - 4)] - 7 \times 2\} + 4$

Ans =

9) $85 \div [30 - (5 \times 2 + 3)] \times 12$

Ans =

10) $90 \div \{[2 \times (20 - 3) + 5 \times 3] - 40\}$

Ans =

Name : _____

Order of Operations

Sheet 4

Solve

1) $\{17 \times [34 - 12 + (2 \times 4)]\} \div 3 - 20$

Ans =

2) $[(75 - 15) - (7 \times 4 + 13)] - 5$

Ans =

3) $92 - 56 + \{3 \times [(42 \div 7) + 2]\}$

Ans =

4) $9 \times \{40 \div [17 - 12 + (18 \div 6 \times 5)]\}$

Ans =

5) $\{[3 + (24 \div 6 \times 5 - 1)] \times 4\} + 16$

Ans =

6) $\{69 + [(4 \times 9) \div (3 \times 2)]\} - 53$

Ans =

7) $\{[(4 \times 1) + 3] \times 5\} - 81 \div 9$

Ans =

8) $55 - \{[2 \times (3 + 35 \div 7)] + (63 \div 9)\} + 4$

Ans =

9) $95 - 10 + \{88 \div [4 \times 66 \div (5 + 1)]\}$

Ans =

10) $[(6 + 8) \times (11 - 3)] \div 14 + 98$

Ans =

Name : _____

Adding Improper Fractions

ES1

$$\begin{array}{r} 1) \quad \frac{5}{2} \\ + \frac{3}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad \frac{6}{5} \\ + \frac{7}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad \frac{16}{11} \\ + \frac{24}{11} \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad \frac{22}{8} \\ + \frac{15}{8} \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad \frac{15}{10} \\ + \frac{12}{10} \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad \frac{5}{4} \\ + \frac{6}{4} \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad \frac{40}{7} \\ + \frac{9}{7} \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad \frac{35}{9} \\ + \frac{26}{9} \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad \frac{4}{3} \\ + \frac{4}{3} \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad \frac{8}{2} \\ + \frac{7}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad \frac{21}{12} \\ + \frac{32}{12} \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad \frac{9}{6} \\ + \frac{9}{6} \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad \frac{8}{7} \\ + \frac{9}{7} \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad \frac{10}{9} \\ + \frac{31}{9} \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad \frac{7}{5} \\ + \frac{9}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad \frac{37}{10} \\ + \frac{22}{10} \\ \hline \end{array}$$

Name : _____

Adding Improper Fractions

ES2

$$\begin{array}{r} 1) \quad \frac{7}{5} \\ + \frac{9}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad \frac{15}{12} \\ + \frac{13}{12} \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad \frac{8}{7} \\ + \frac{9}{7} \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad \frac{34}{9} \\ + \frac{22}{9} \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad \frac{43}{11} \\ + \frac{16}{11} \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad \frac{5}{3} \\ + \frac{6}{3} \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad \frac{23}{6} \\ + \frac{7}{6} \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad \frac{17}{4} \\ + \frac{30}{4} \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad \frac{5}{2} \\ + \frac{4}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad \frac{8}{7} \\ + \frac{8}{7} \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad \frac{37}{10} \\ + \frac{23}{10} \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad \frac{7}{3} \\ + \frac{6}{3} \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad \frac{6}{4} \\ + \frac{5}{4} \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad \frac{29}{8} \\ + \frac{26}{8} \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad \frac{8}{5} \\ + \frac{9}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad \frac{26}{12} \\ + \frac{17}{12} \\ \hline \end{array}$$

Name : _____

Adding Improper Fractions

ES3

$$\begin{array}{r} 1) \quad \frac{6}{3} \\ + \frac{7}{3} \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad \frac{28}{10} \\ + \frac{32}{10} \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad \frac{7}{5} \\ + \frac{9}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad \frac{14}{8} \\ + \frac{23}{8} \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad \frac{43}{9} \\ + \frac{11}{9} \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad \frac{4}{2} \\ + \frac{3}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad \frac{34}{7} \\ + \frac{9}{7} \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad \frac{29}{12} \\ + \frac{30}{12} \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad \frac{35}{11} \\ + \frac{41}{11} \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad \frac{9}{6} \\ + \frac{8}{6} \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad \frac{7}{4} \\ + \frac{9}{4} \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad \frac{6}{5} \\ + \frac{6}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad \frac{4}{2} \\ + \frac{7}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad \frac{50}{9} \\ + \frac{22}{9} \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad \frac{13}{10} \\ + \frac{16}{10} \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad \frac{9}{3} \\ + \frac{5}{3} \\ \hline \end{array}$$

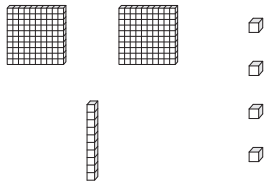
Name : _____

Addition Sentence - Tenths

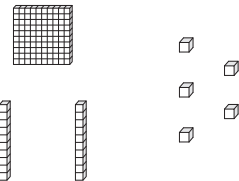
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Tens	Ones	Tenths
		

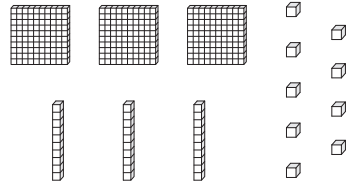
1)



+



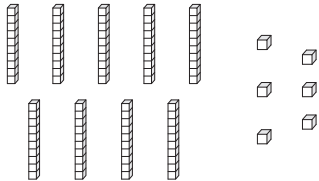
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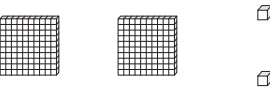
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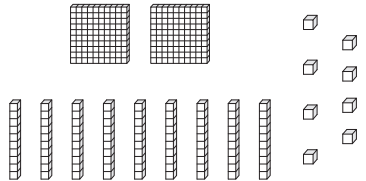
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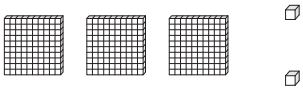
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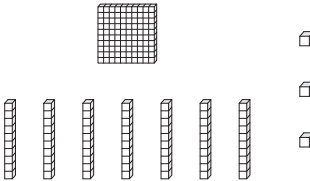
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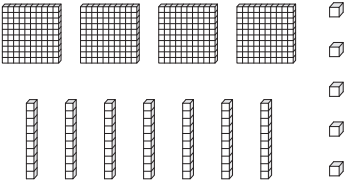
3)



+



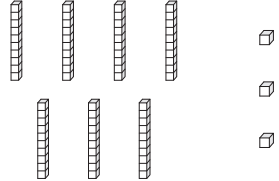
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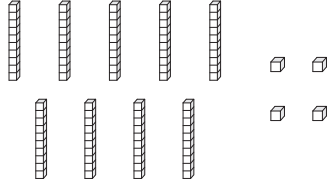
4)



+



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+

=

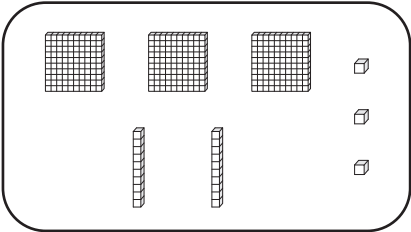
Name : _____

Addition Sentence - Tenth

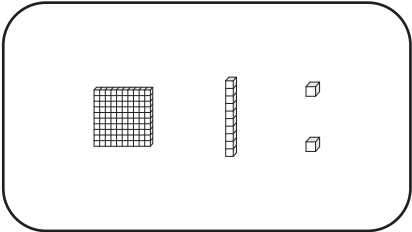
No regrouping: S2

Tens	Ones	Tenths
		

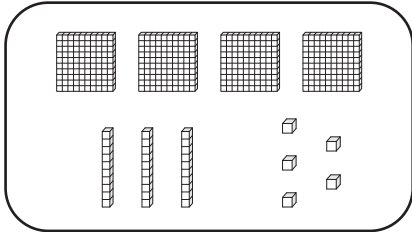
1)



+



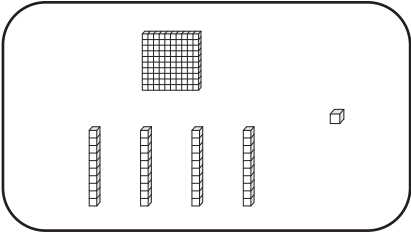
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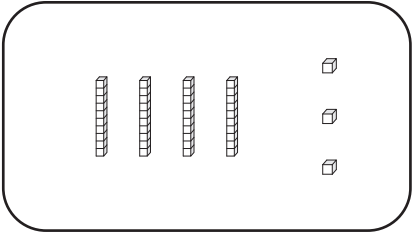
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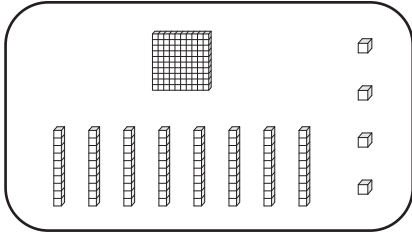
2)



+



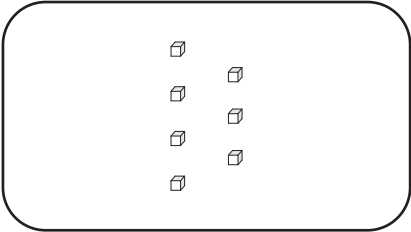
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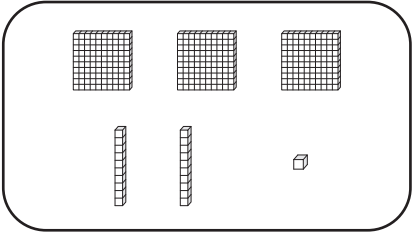
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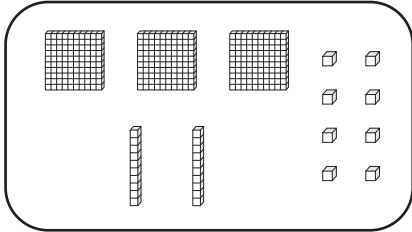
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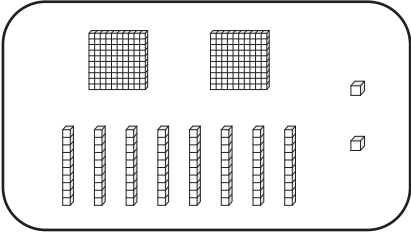
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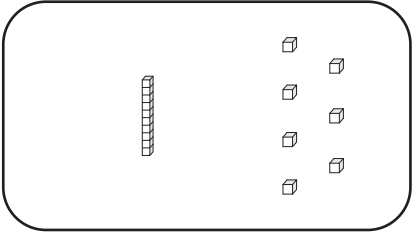
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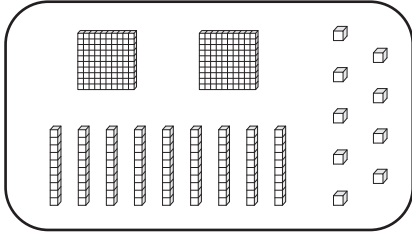
4)



+



=



+

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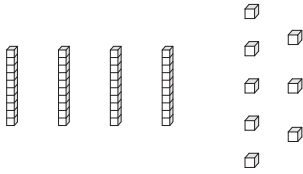
Name : _____

Addition Sentence - Tenths

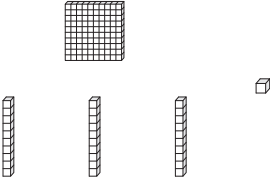
No regrouping: S3

Tens	Ones	Tenths
		

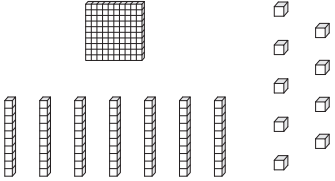
1)



+

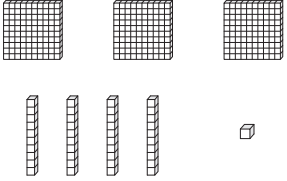


=



_____ + _____ = _____

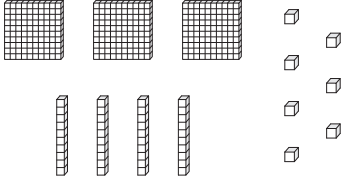
2)



+



=

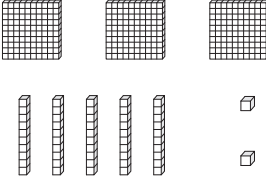


_____ + _____ = _____

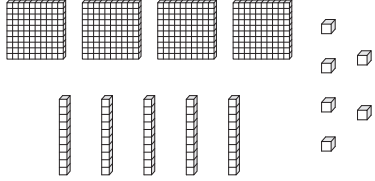
3)



+

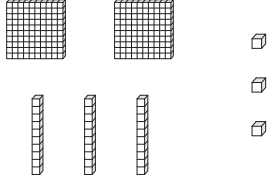


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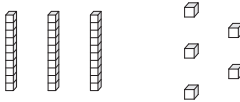


_____ + _____ = _____

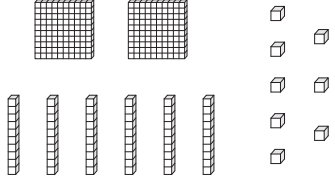
4)



+



=



_____ + _____ = _____

Name : _____

Divisibility Rule

Sheet 1

Is the number to the left of each row divisible by the number at the top of each column? Check the boxes.

	2	3	4	5	6	7	8	9	10	11	12
497,652											
8,118											
28,755											
640											
874,629											
981,274											
19,746											
6,804											
246,972											
30,630											
176											
78,900											

Name : _____

Divisibility Rule

Sheet 2

Is the number to the left of each row divisible by the number at the top of each column? Check the boxes.

	2	3	4	5	6	7	8	9	10	11	12
840											
64,791											
3,468											
7,461											
974,130											
1,498											
286,490											
666											
499,752											
51,040											
3,682											
74,358											

Name : _____

Divisibility Rule

Sheet 3

Is the number to the left of each row divisible by the number at the top of each column? Check the boxes.

	2	3	4	5	6	7	8	9	10	11	12
54,896											
387,500											
455											
7,068											
220											
67,134											
8,631											
974,640											
189											
63,102											
1104											
765,985											

Name : _____

Score : _____

Standard and Expanded Form

Billions: S1

Write in expanded form.

1) 786,453,129,368

2) 41,075,268,396

3) 3,571,984,162

4) 145,490,237,825

Write in standard form.

1) $60,000,000,000 + 4,000,000,000 + 800,000,000 + 20,000,000 + 3,000,000 + 400,000$
 $90,000 + 7,000 + 100 + 60 + 8$

2) $5,000,000,000 + 20,000,000 + 8,000,000 + 400,000 + 10,000 + 9,000 + 700 + 30 + 1$

3) $200,000,000,000 + 30,000,000,000 + 4,000,000,000 + 500,000,000 + 9,000,000$
 $+ 100,000 + 80,000 + 9,000$

4) $10,000,000,000 + 8,000,000,000 + 300,000,000 + 10,000,000 + 3,000,000 + 200,000$
 $+ 40,000 + 7,000 + 800 + 20 + 3$

Name : _____

Score : _____

Standard and Expanded Form

Billions: S2

Write in expanded form.

1) 1,006,548,790 _____

2) 654,398,217,041 _____

3) 732,185,210,469 _____

4) 84,951,623,501 _____

Write in standard form.

1) $2,000,000,000 + 100,000,000 + 3,000,000 + 500,000 + 80,000 + 6,000 + 900 + 70 + 4$

2) $300,000,000,000 + 30,000,000,000 + 1,000,000,000 + 700,000,000 + 90,000,000$
 $+ 2,000,000 + 400,000 + 8,000 + 30 + 5$

3) $50,000,000,000 + 6,000,000,000 + 800,000,000 + 40,000,000 + 2,000,000 + 900,000$
 $+ 70,000 + 1,000 + 10$

4) $4,000,000,000 + 200,000,000 + 10,000,000 + 6,000,000 + 10,000 + 8,000 + 300 + 90 + 9$

Name : _____

Score : _____

Standard and Expanded Form

Billions: 53

Write in expanded form.

1) 471,859,632,015 _____

2) 8,296,074,320 _____

3) 70,481,263,039 _____

4) 6,935,718,542 _____

Write in standard form.

1) $800,000,000,000 + 10,000,000,000 + 5,000,000,000 + 200,000,000 + 90,000,000$
 $+ 3,000,000 + 800,000 + 70,000 + 6,000 + 400 + 60 + 8$

2) $90,000,000,000 + 2,000,000,000 + 600,000,000 + 30,000,000 + 400,000 + 8,000 + 700$
 $+ 50 + 4$

3) $1,000,000,000 + 400,000,000 + 80,000,000 + 5,000,000 + 200,000 + 60,000 + 1,000$
 $+ 90 + 7$

4) $20,000,000,000 + 5,000,000,000 + 900,000,000 + 60,000,000 + 3,000,000 + 700,000$
 $+ 40,000 + 1,000 + 900 + 80 + 1$

Name : _____

Score : _____

Standard and Expanded Form

Billions: 54

Write in expanded form.

1) 34,628,579,106 _____

2) 185,371,490,658 _____

3) 6,234,798,510 _____

4) 93,960,245,841 _____

Write in standard form.

1) $400,000,000,000 + 80,000,000,000 + 7,000,000,000 + 600,000,000 + 20,000,000$
 $+ 1,000,000 + 900,000 + 30,000 + 500 + 60 + 8$

2) $9,000,000,000 + 500,000,000 + 40,000,000 + 6,000,000 + 300,000 + 80,000 + 2,000$
 $+ 100 + 7$

3) $80,000,000,000 + 2,000,000,000 + 100,000,000 + 40,000,000 + 6,000,000 + 90,000$
 $+ 200 + 70$

4) $500,000,000,000 + 10,000,000,000 + 3,000,000,000 + 800,000,000 + 90,000,000$
 $+ 4,000,000 + 60,000 + 2,000 + 700 + 10 + 8$

Name : _____

Score : _____

Standard and Expanded Form

Billions: S5

Write in expanded form.

1) 192,487,630,549 _____

2) 4,651,983,279 _____

3) 24,697,508,134 _____

4) 516,214,735,468 _____

Write in standard form.

1) $7,000,000,000 + 100,000,000 + 40,000,000 + 9,000,000 + 800,000 + 30,000 + 2,000 + 600 + 50 + 1$

2) $60,000,000,000 + 7,000,000,000 + 800,000,000 + 30,000,000 + 5,000,000 + 400,000 + 10,000 + 2,000 + 900 + 30 + 7$

3) $900,000,000,000 + 70,000,000,000 + 5,000,000,000 + 100,000,000 + 60,000,000 + 3,000,000 + 200,000 + 80,000 + 400 + 60$

4) $3,000,000,000 + 40,000,000 + 5,000,000 + 600,000 + 80,000 + 7,000 + 100 + 20 + 9$

Name : _____

Score : _____

Two-Rule Pattern

Type 2: S1

Identify the number pattern and fill in the missing numbers.

1)	5	3	9	2	13					
----	---	---	---	---	----	--	--	--	--	--

2)	24	23	25	26	26					
----	----	----	----	----	----	--	--	--	--	--

3)	14	17	13	15	12					
----	----	----	----	----	----	--	--	--	--	--

4)	74	70	77	75	80					
----	----	----	----	----	----	--	--	--	--	--

5)	32	36	31	38	30					
----	----	----	----	----	----	--	--	--	--	--

6)	1	10	3	12	5					
----	---	----	---	----	---	--	--	--	--	--

7)	56	52	54	55	52					
----	----	----	----	----	----	--	--	--	--	--

8)	17	21	13	23	9					
----	----	----	----	----	---	--	--	--	--	--

9)	90	10	85	15	80					
----	----	----	----	----	----	--	--	--	--	--

10)	67	70	64	68	61					
-----	----	----	----	----	----	--	--	--	--	--

Name : _____

Score : _____

Two-Rule Pattern

Type 2: S2

Identify the number pattern and fill in the missing numbers.

1)	5	11	7	14	9					
----	---	----	---	----	---	--	--	--	--	--

2)	14	10	11	14	8					
----	----	----	----	----	---	--	--	--	--	--

3)	52	49	53	54	54					
----	----	----	----	----	----	--	--	--	--	--

4)	9	5	7	4	5					
----	---	---	---	---	---	--	--	--	--	--

5)	43	47	49	50	55					
----	----	----	----	----	----	--	--	--	--	--

6)	28	22	29	20	30					
----	----	----	----	----	----	--	--	--	--	--

7)	17	11	21	14	25					
----	----	----	----	----	----	--	--	--	--	--

8)	36	42	41	40	46					
----	----	----	----	----	----	--	--	--	--	--

9)	81	77	80	78	79					
----	----	----	----	----	----	--	--	--	--	--

10)	62	59	63	56	64					
-----	----	----	----	----	----	--	--	--	--	--

Name : _____

Score : _____

Two-Rule Pattern

Type 2: S3

Identify the number pattern and fill in the missing numbers.

1)	8	5	12	7	16					
----	---	---	----	---	----	--	--	--	--	--

2)	51	44	50	41	49					
----	----	----	----	----	----	--	--	--	--	--

3)	12	18	10	20	8					
----	----	----	----	----	---	--	--	--	--	--

4)	40	40	43	36	46					
----	----	----	----	----	----	--	--	--	--	--

5)	27	31	32	32	37					
----	----	----	----	----	----	--	--	--	--	--

6)	19	22	18	18	17					
----	----	----	----	----	----	--	--	--	--	--

7)	34	37	31	42	28					
----	----	----	----	----	----	--	--	--	--	--

8)	4	1	10	4	16					
----	---	---	----	---	----	--	--	--	--	--

9)	10	3	11	2	12					
----	----	---	----	---	----	--	--	--	--	--

10)	62	65	66	70	70					
-----	----	----	----	----	----	--	--	--	--	--

Name : _____

Nested parentheses in PEMDAS

L1MS1

Solve.

1) $7 - 75 \div (4 + (7 \times 3))$

Ans =

2) $6 - 72 \div ((5 + 7) \times 6) + 9$

Ans =

3) $28 \div 7 + ((6 \times 2) + 4) \div 8$

Ans =

4) $90 \div ((12 \times 2) + 6) - 5$

Ans =

5) $((16 \times 7) + 4 - 6) \div 10$

Ans =

6) $((8 \times 12) \div 3) - 5 + 2$

Ans =

7) $17 + ((18 - 2) \div 8) \times 4 + 15$

Ans =

8) $6 + ((2 \times 18) - 22) \div 7$

Ans =

9) $8 + 45 \div ((2 + 1) \times 5) - 8$

Ans =

10) $4 - ((21 + 3) \times 6) + 12$

Ans =

Name : _____

Nested parentheses in PEMDAS

L1MS2

Solve.

1) $((4 \times 2) + 8) \div 4 - 11$

Ans =

2) $15 + (2 - (14 \times 3)) \div 5 + 2$

Ans =

3) $84 \div ((5 + 2) \times 2) + 4 \times 3$

Ans =

4) $((8 + 4) \div (8 - 5)) \times 3$

Ans =

5) $10 \times 2 + (7 - (63 \div 9))$

Ans =

6) $((4 \times 5) + 9 - 5) \div 6$

Ans =

7) $14 + ((11 - 5) \div 2) \div 3$

Ans =

8) $3 \times 5 + ((18 \div 6) - 16) + 1$

Ans =

9) $67 - ((32 - 8) \times 4) \div 12 - 4$

Ans =

10) $4 + ((18 + 13) \times 3) \div 3$

Ans =

Name : _____

Nested parentheses in PEMDAS

L1MS3

Solve.

1) $70 \div (((4 + 8) \times 7) \div 6)$

Ans =

2) $5 + (6 - (22 + 11) \times 2) \div 10$

Ans =

3) $((24 \div 2) \div 3) \times 5 + 8 \div 2$

Ans =

4) $12 + (40 \div (5 \times 2) - 12)$

Ans =

5) $3 \times (18 - (42 \div 6) + 1)$

Ans =

6) $64 + 7 - ((12 \div 6) \times 2)$

Ans =

7) $(5 \times (1 + 7) - 13) \div 9 + 19$

Ans =

8) $7 \times 6 \div ((16 + 12) - 7)$

Ans =

9) $90 - (4 \times (2 + 1)) \div 6$

Ans =

10) $45 \div ((2 + 5) - 4) + 24$

Ans =

Name : _____

Nested parentheses in PEMDAS

L1MS4

Solve.

1) $29 + (14 \times (9 - 4)) \div 7 - 5$

Ans =

2) $13 \times 8 + ((55 - 7) \div 12)$

Ans =

3) $(2 \times (51 \div 3)) - 54 + 5$

Ans =

4) $19 - 61 + ((3 \times 12) \div 9) - 14$

Ans =

5) $35 - ((27 \div 3) + 11) \times 3 \div 10$

Ans =

6) $120 + (15 \times (39 \div 13)) - 43$

Ans =

7) $19 \times 65 \div (2 + (1 - 16))$

Ans =

8) $((4 \times 15) + 27) \div 3 - 90 \div 2$

Ans =

9) $180 \div ((7 + 3) \times 2) - 1 + 4$

Ans =

10) $(50 + (35 \div 7)) - 2 \times 4$

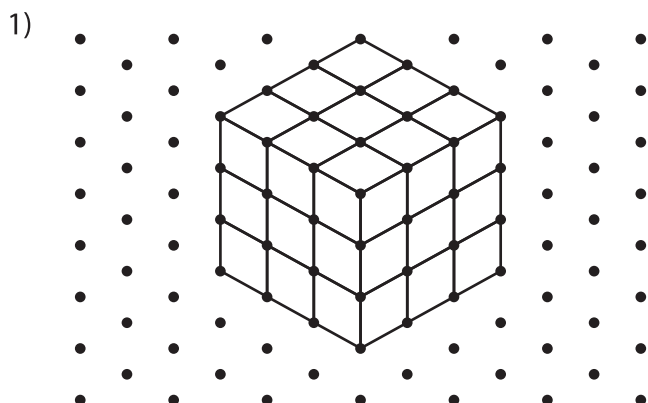
Ans =

Name : _____

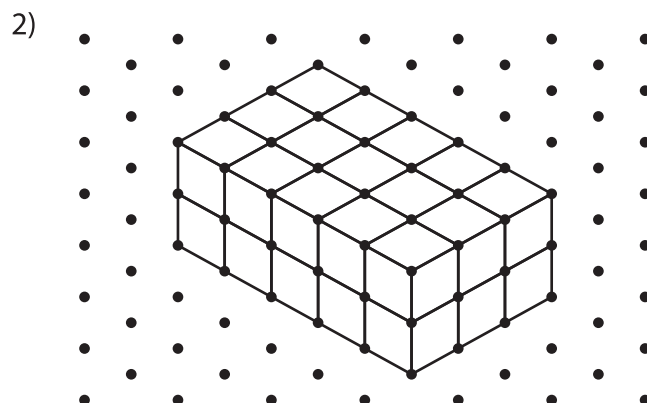
Surface Area - Counting Squares

Find the surface area of each prism by counting the unit squares.

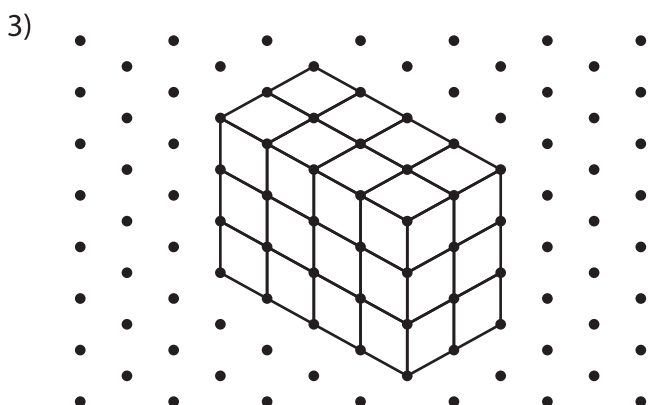
 = 1 in²



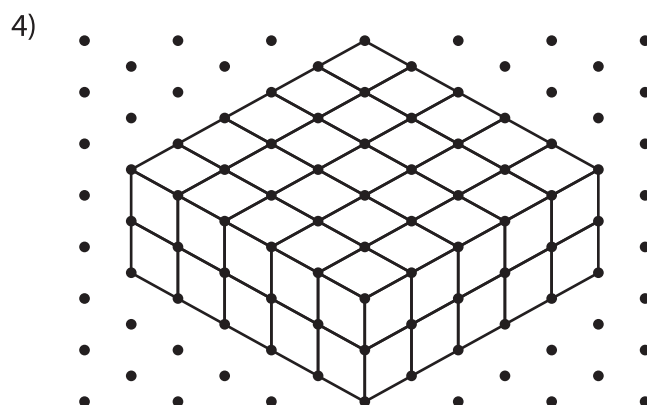
Surface Area = _____



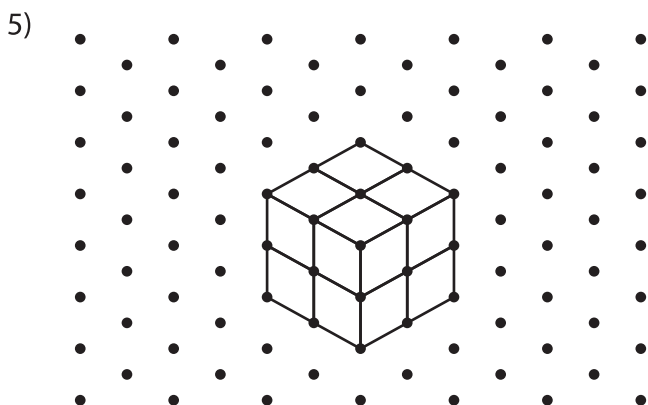
Surface Area = _____



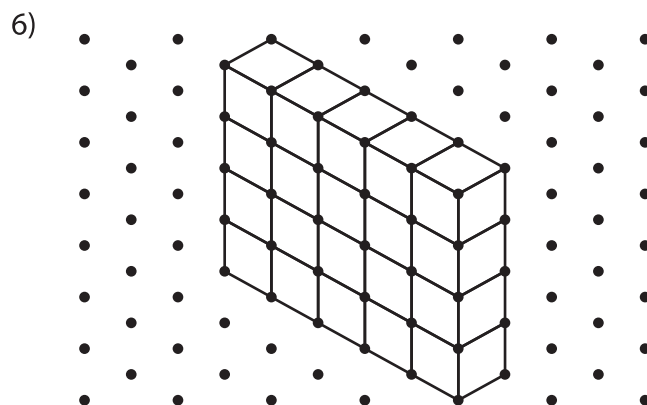
Surface Area = _____



Surface Area = _____



Surface Area = _____



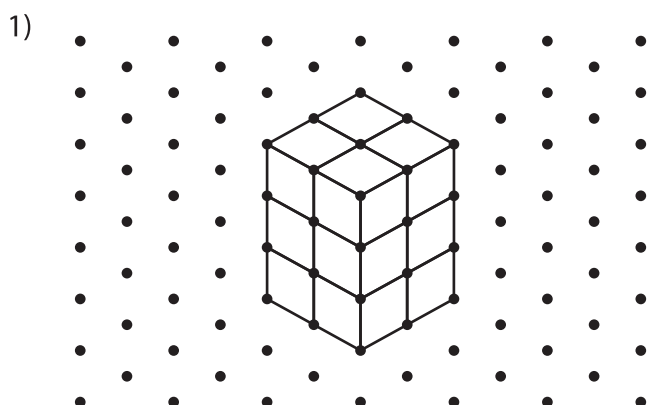
Surface Area = _____

Name : _____

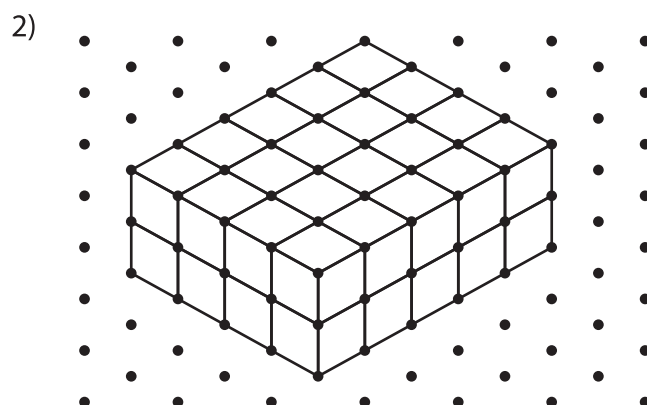
Surface Area - Counting Squares

Find the surface area of each prism by counting the unit squares.

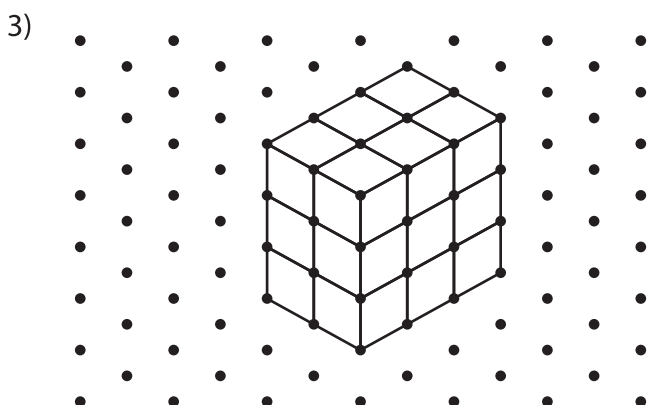
 = 1 yd²



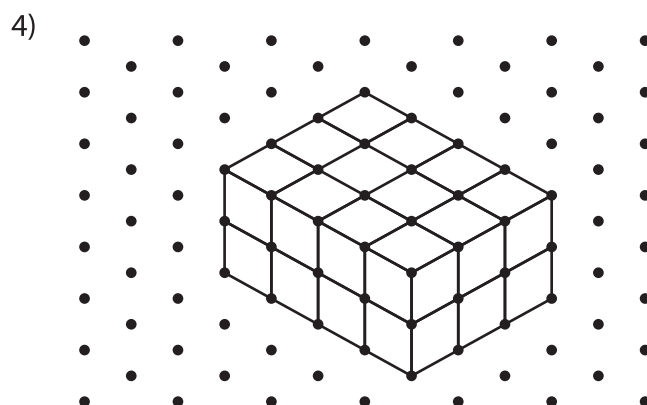
Surface Area = _____



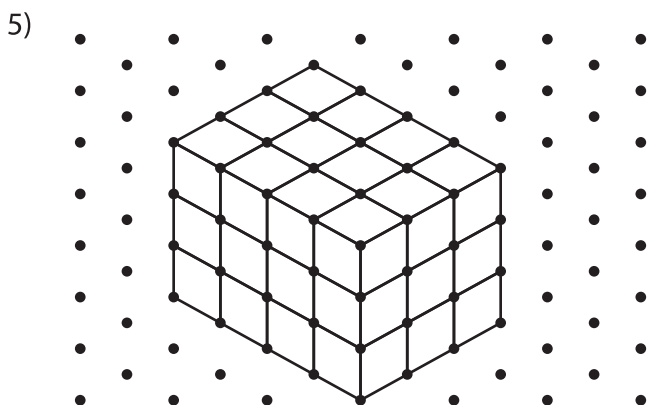
Surface Area = _____



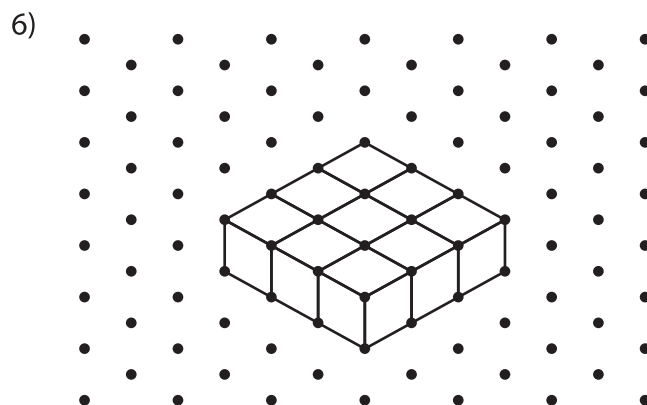
Surface Area = _____



Surface Area = _____



Surface Area = _____



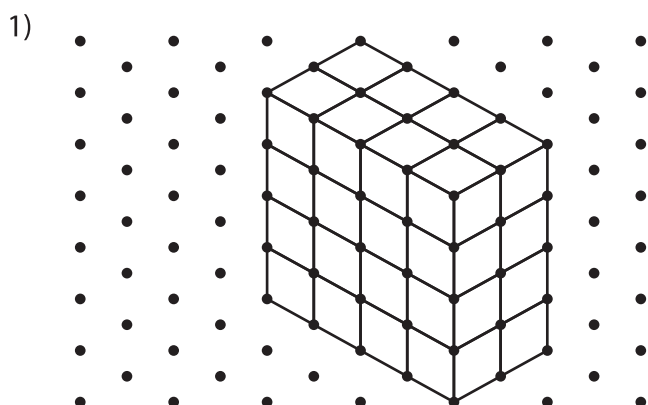
Surface Area = _____

Name : _____

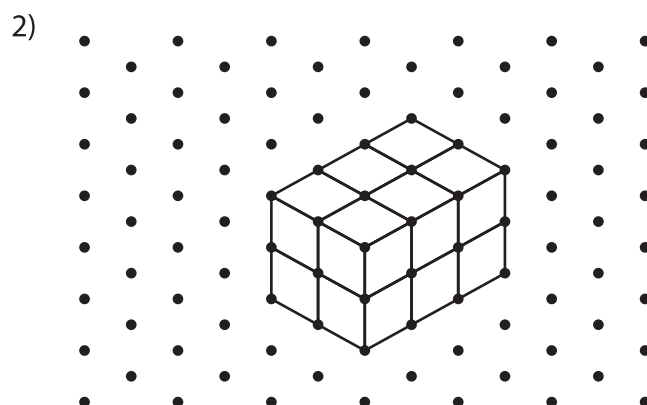
Surface Area - Counting Squares

Find the surface area of each prism by counting the unit squares.

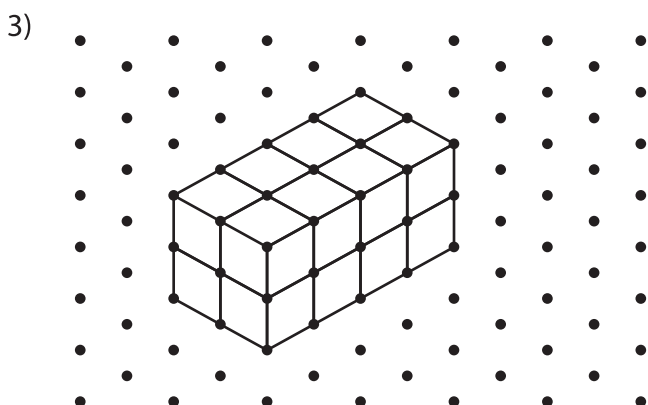
 = 1 ft²



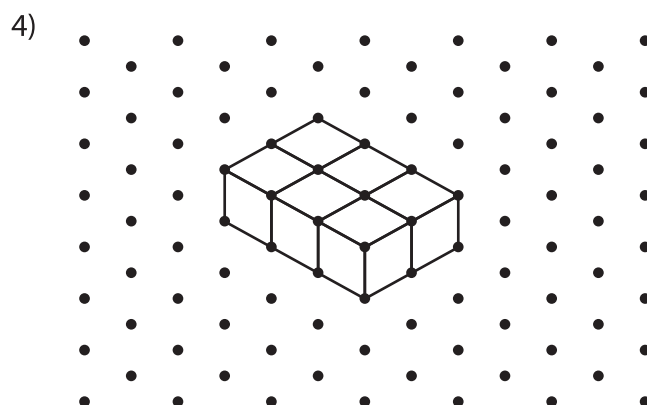
Surface Area = _____



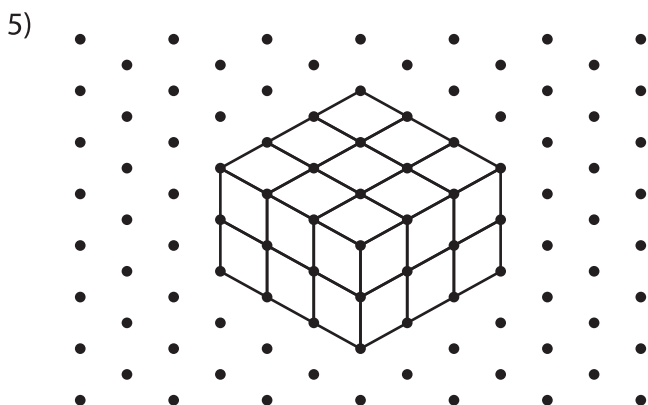
Surface Area = _____



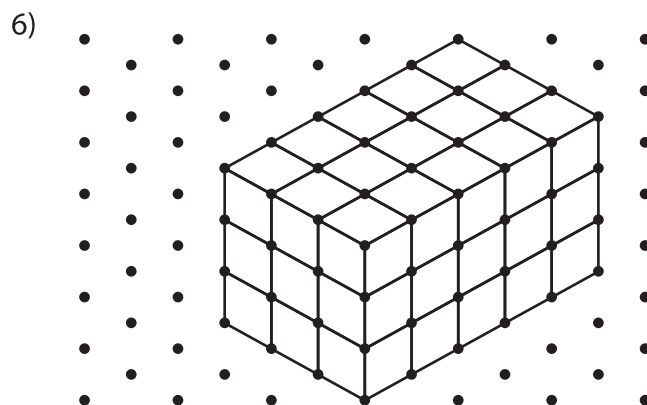
Surface Area = _____



Surface Area = _____



Surface Area = _____



Surface Area = _____

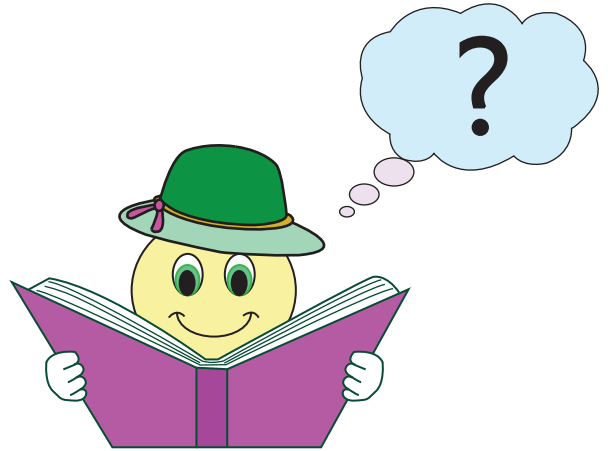
Name : _____

Who Am I ?

Sheet 1

- 1) I am a quadrilateral, my opposite sides are equal, but my adjacent angles are not congruent.

Who am I?



- 2) I am a quadrilateral, my sides are congruent and my opposite sides are parallel, but none of them meet at right angles. Who am I?

- 3) I am a quadrilateral with no congruent sides. I have a pair of parallel sides. Who am I?

- 4) I am a quadrilateral with four right angles. My diagonals are perpendicular. Who am I?

- 5) I am a quadrilateral, my diagonals are congruent, but are not perpendicular bisectors.

Who am I?

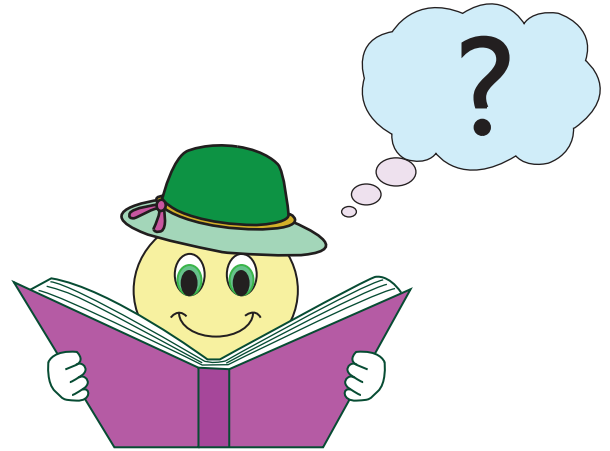
Name : _____

Who Am I ?

Sheet 2

- 1) I am a quadrilateral with exactly one pair of parallel sides. My non-parallel sides are congruent.

Who am I?



- 2) I am a quadrilateral with two pairs of parallel sides. My adjacent angles are congruent. My diagonals are not perpendicular. Who am I?

- 3) I am a quadrilateral. I have all four congruent sides, but my diagonals are not equal. Who am I?

- 4) I am a quadrilateral with non-congruent diagonals. My opposite sides are parallel and congruent. Who am I?

- 5) I am a quadrilateral, my disjoint pairs of adjacent sides are congruent. My diagonals are perpendicular. Who am I?

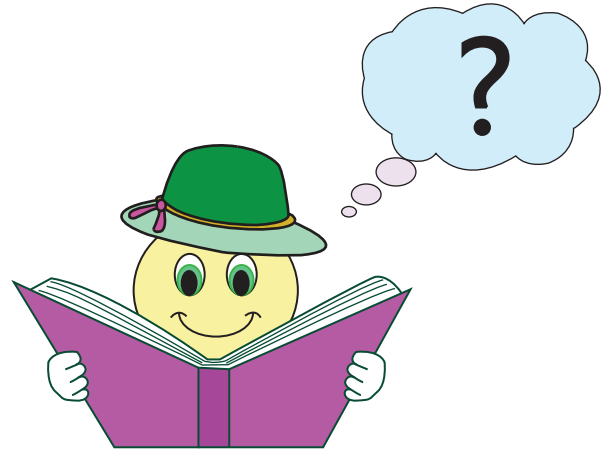
Name : _____

Who Am I ?

Sheet 3

- 1) I am a quadrilateral with four congruent sides and two congruent diagonals.

Who am I?



- 2) I am a quadrilateral. I have two right angles, but I am not a parallelogram. Who am I?

- 3) I am a quadrilateral and my opposite angles are congruent but I have no right angles. Who am I?

- 4) I am a quadrilateral. I have two pairs of congruent sides. My longer diagonal bisects the shorter one.

Who am I?

- 5) I am a quadrilateral with four congruent sides. My diagonals cross at right angles and are non-congruent. Who am I?

Name : _____

Plotting Points

Positive: S1

A) Plot each point on the coordinate grid.

1) T(3, 3)

2) S(1, 8)

3) H(2, 8)

4) E(6, 2)

5) R(5, 4)

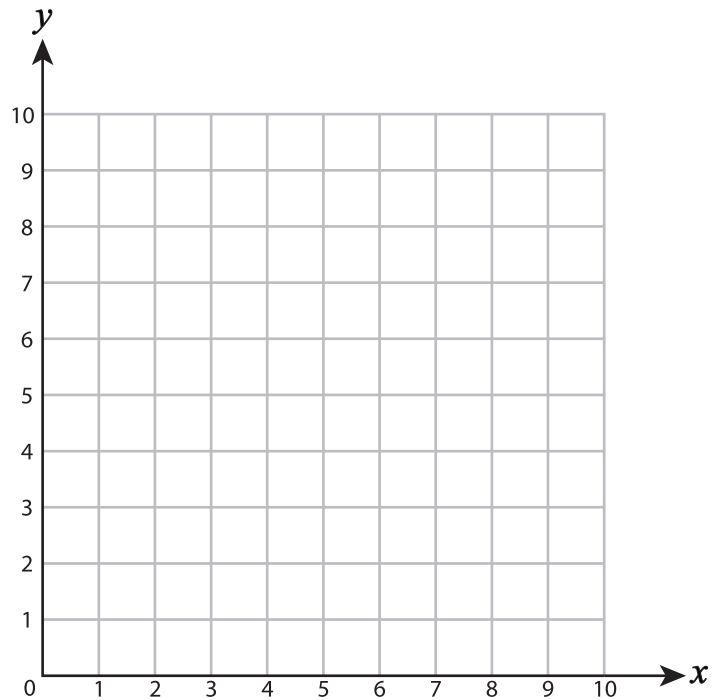
6) L(7, 6)

7) M(3, 1)

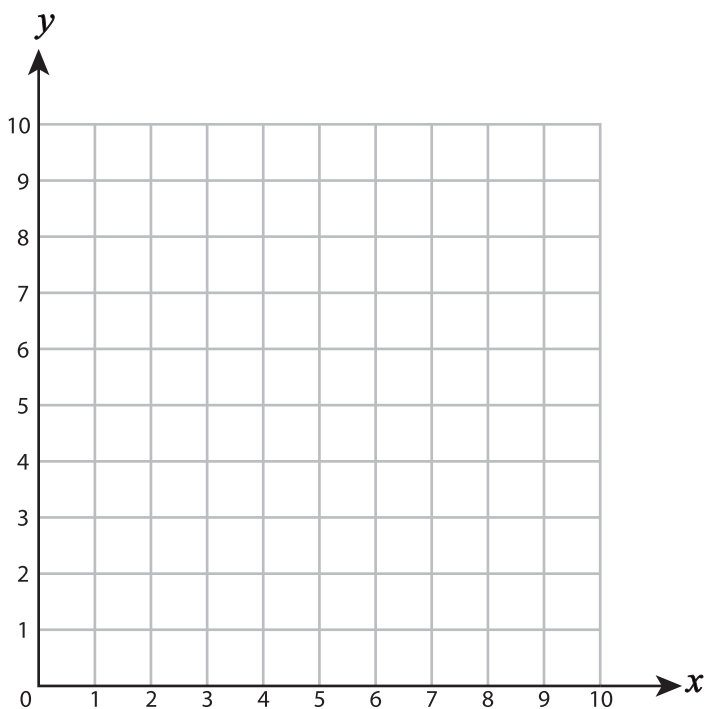
8) V(9, 5)

9) P(7, 1)

10) A(4, 7)



B) Draw each shape on the coordinate grid.



11) Draw ○ at (3, 1)

12) Draw ☆ at (4, 5)

13) Draw □ at (1, 7)

14) Draw △ at (3, 5)

15) Draw □ at (8, 2)

Name : _____

Plotting Points

Positive: S2

A) Plot each point on the coordinate grid.

1) V(5, 5)

2) H(2, 9)

3) I(9, 3)

4) K(1, 6)

5) N(10, 4)

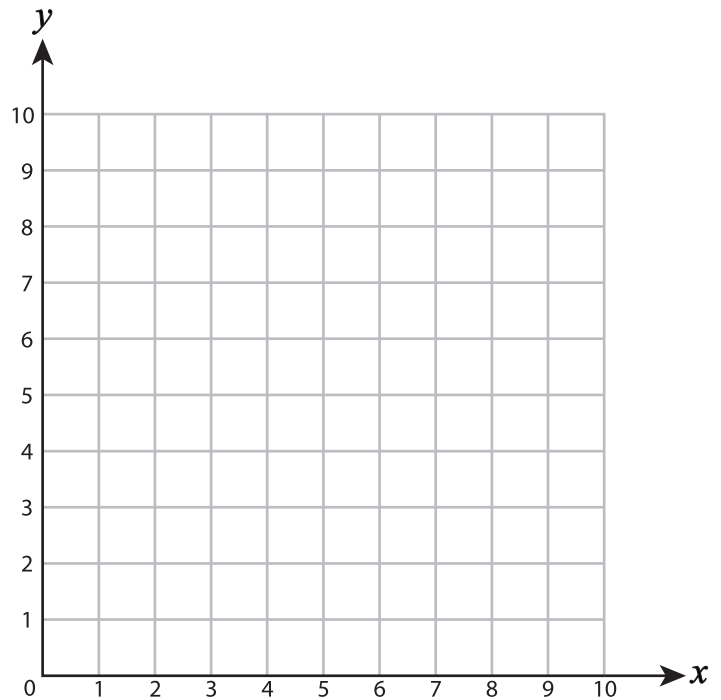
6) U(5, 10)

7) O(0, 8)

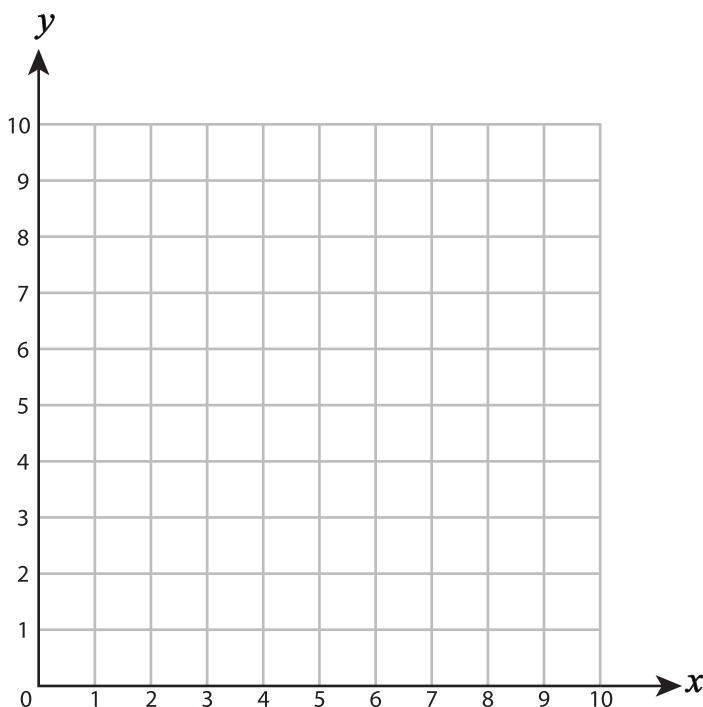
8) M(7, 3)

9) T(6, 4)

10) A(8, 4)



B) Draw each shape on the coordinate grid.



11) Draw ○ at (10, 3)

12) Draw ☆ at (0, 7)

13) Draw □ at (5, 2)

14) Draw △ at (1, 6)

15) Draw □ at (9, 9)

Name : _____

Plotting Points

Positive: S3

A) Plot each point on the coordinate grid.

1) F(8, 9)

2) Q(5, 7)

3) G(4, 2)

4) J(10, 8)

5) Y(0, 9)

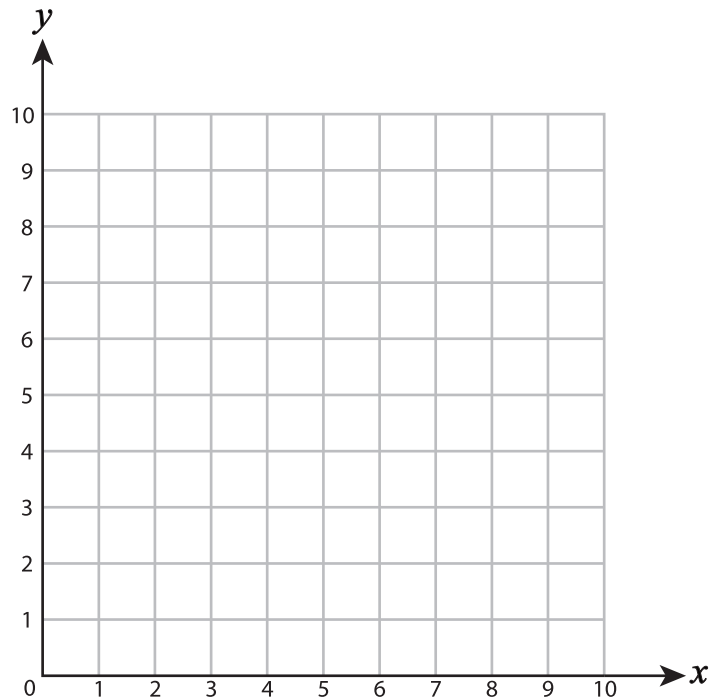
6) P(3, 5)

7) B(6, 1)

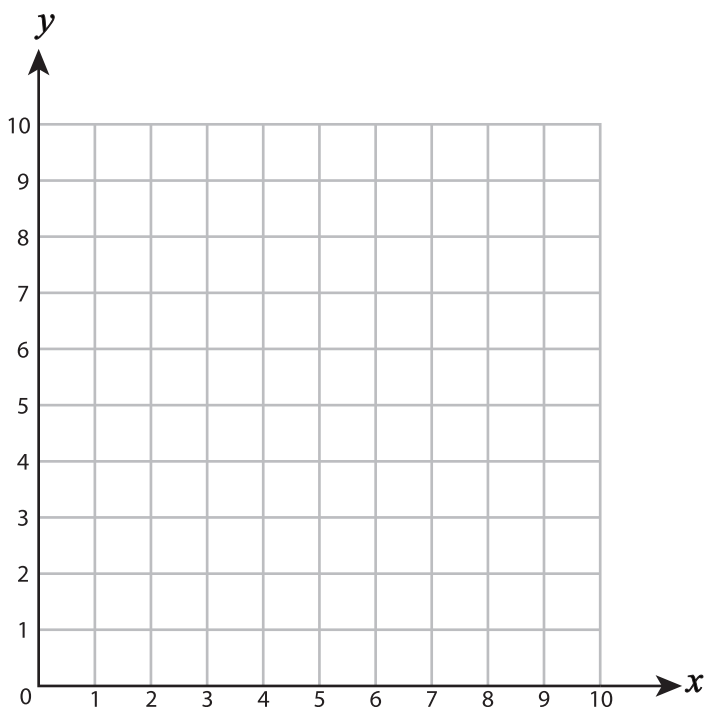
8) W(1, 2)

9) N(10, 3)

10) V(4, 4)



B) Draw each shape on the coordinate grid.



11) Draw ○ at (7, 7)

12) Draw ☆ at (3, 9)

13) Draw □ at (5, 1)

14) Draw △ at (8, 3)

15) Draw □ at (6, 6)

Name : _____

Plotting Points

Positive: S4

A) Plot each point on the coordinate grid.

1) L(2, 10)

2) R(9, 5)

3) H(7, 9)

4) P(6, 3)

5) A(1, 3)

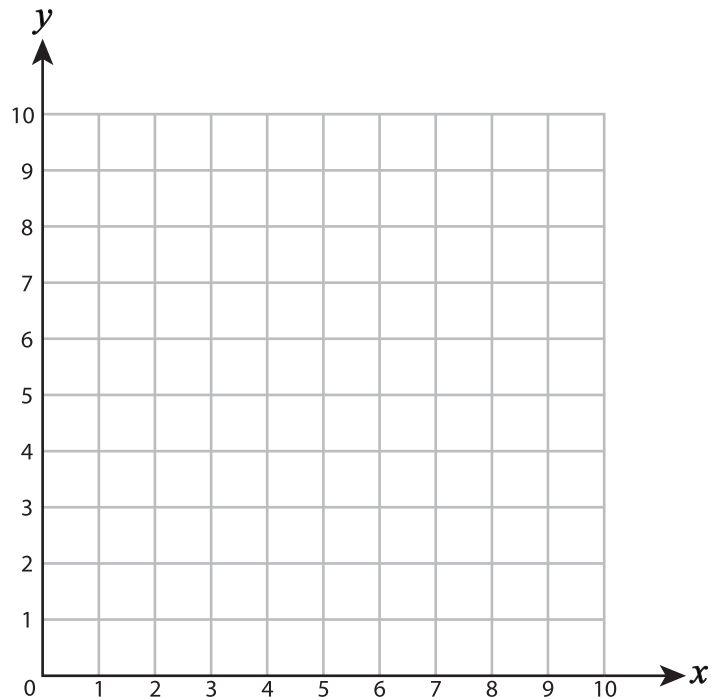
6) M(2, 4)

7) T(5, 8)

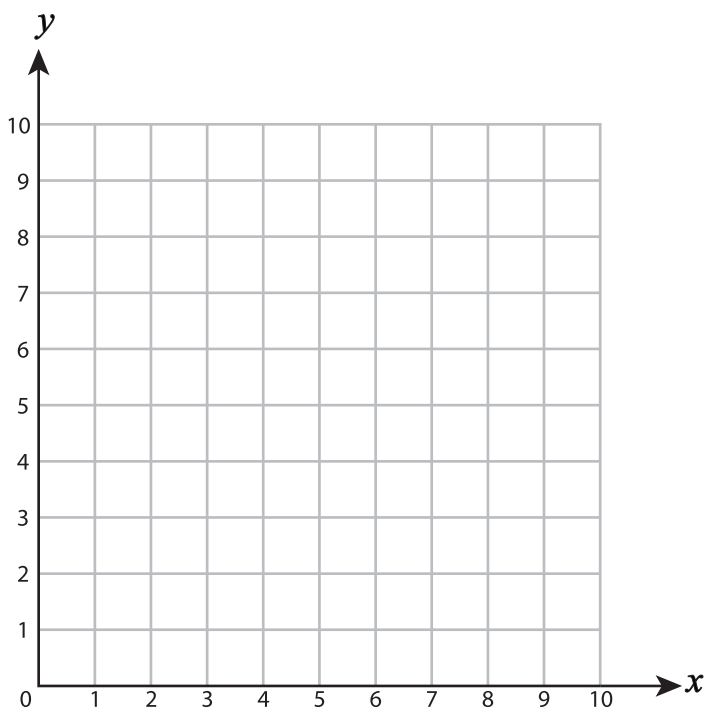
8) E(4, 5)

9) V(8, 2)

10) S(3, 6)



B) Draw each shape on the coordinate grid.



11) Draw ○ at (4, 6)

12) Draw ☆ at (9, 5)

13) Draw □ at (6, 9)

14) Draw △ at (2, 3)

15) Draw □ at (7, 2)

Name : _____

Plotting Points

Positive: S5

A) Plot each point on the coordinate grid.

1) M(7, 3)

2) O(3, 5)

3) T(8, 1)

4) A(8, 10)

5) V(2, 9)

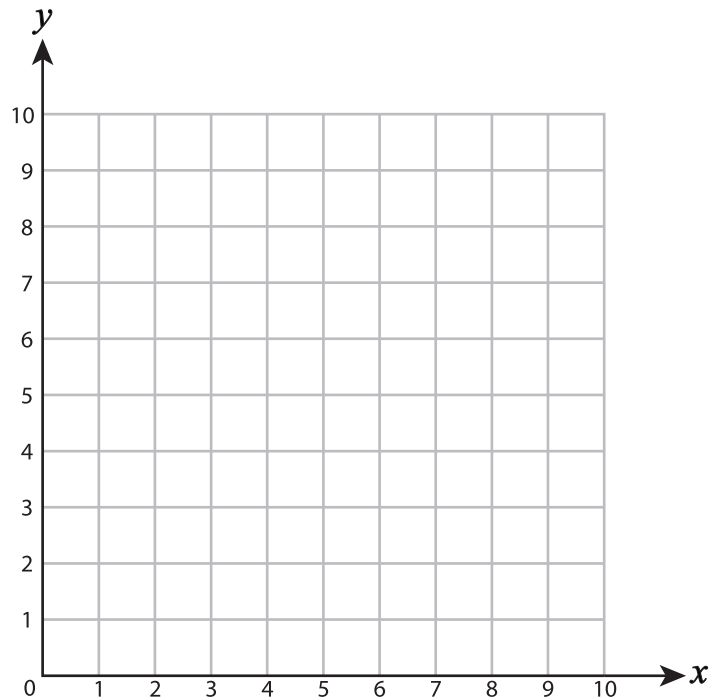
6) H(1, 2)

7) U(4, 7)

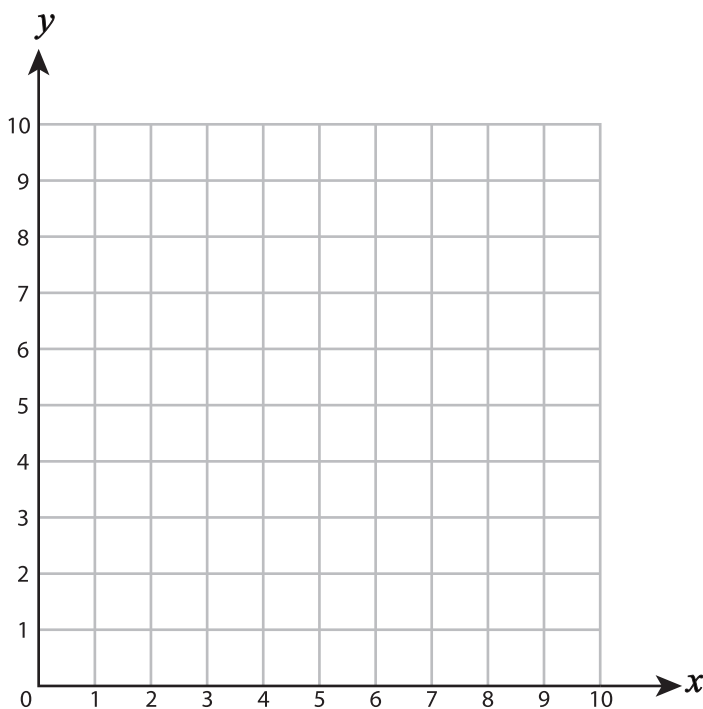
8) N(9, 6)

9) K(7, 8)

10) I(5, 4)



B) Draw each shape on the coordinate grid.



11) Draw ○ at (6, 10)

12) Draw ☆ at (7, 4)

13) Draw □ at (3, 8)

14) Draw △ at (5, 0)

15) Draw □ at (9, 6)

Name : _____

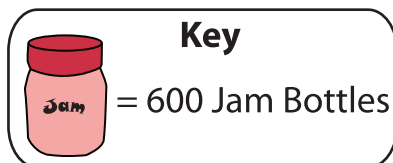
Pictograph - Jam Factory



Sheet 1

Teddy's Food Factory exports bottles of Jam. The pictograph shows the number of bottles exported each day. Use the information from the graph to answer the questions.

Jam Bottles Exported	
Day	Number of Jam Bottles
Monday	      
Tuesday	   
Wednesday	     
Thursday	    
Friday	       



- Which of the two days did they export fewer bottles of jam? _____
- How many key images would represent 6600 bottles of jam? _____
- How many more bottles of jam were exported on Friday than Monday? _____
- How many bottles of jam were exported on Wednesday and Thursday altogether? _____
- How many bottles did Teddy's Food Factory export each week? _____

Pictograph - Earnings



Isaac, Perry, Sidney, Julian and Kent are friends. The pictograph shows the earnings of five friends in a month. Use the information from the graph to answer the questions.

Earnings of Five Friends	
Name	Earnings
Isaac	    
Perry	      
Sidney	  
Julian	        
Kent	    

 **Key**
= \$ 350

- 1) How much money did Sidney earn in a month? _____
- 2) Adding two of the friend’s earnings, the sum is \$2800. Name the friends. _____
- 3) His earning is one-half of what Julian earns. Who is he? _____
- 4) How much more money did Isaac earn than Kent? _____
- 5) Steve is a friend of Perry. Steve earns \$1400 in a month. Draw a pictograph to show his meaning.

Pictograph - Weekend Getway



Five families went on a weekend trip to different destinations by car. The pictograph shows the number of miles traveled by each family. Use the information from the graph to answer the questions.

Weekend Getaway	
Family	Number of Miles Traveled
Gary's Family	    
Ronald's Family	      
Craig's Family	   
Brad's Family	      
Karl's Family	     

Key



= 100 Miles

- 1) Which family traveled the most distance? _____
- 2) How many miles did Brad's family travel? _____
- 3) How many fewer miles did Craig's family travel than Karl's family? _____
- 4) Was Ronald's family traveling twice the distance of Craig's family? _____
- 5) Name the families who traveled more then 500 miles.

Name : _____

Make a Receipt

- 1) Melanie buys the following items at a supermarket: a 5-lb pack of potatoes for \$1.39, a chocolate bar for \$10.98, potato crisps for \$3.99, and a 750-ml bottle of olive oil for \$238.33. Fill in the receipt to find how much she has spent in all.

Receipt	
Items	Price

- 2) Joanne bought the following electronic items at an online store: a laptop worth \$226.80, a blow dryer for \$36.97, and headphones for \$129.95. Prepare a receipt to show the total amount he paid.

Receipt	
Items	Price

- 3) Shane and his family head out for dinner at the local bistro. They order a plate of nachos priced at \$2.49, five burritos for \$10.95, and a chicken fajita for \$12.99. Make a receipt to explain how much the family had to pay for their meal in total.

Receipt	
Items	Price

Name : _____

Make a Receipt

- 1) Karen is the baby store, where she spends \$129.98 for a high chair, \$314.59 for a car seat, and \$34.86 for a blender. Generate a receipt to determine how much Karen spent in all on the three items.

Receipt	
Items	Price

- 2) Allison paid the following amounts toward the services she had at an auto service center: \$13.99 for replacing the air filter, \$109.39 for exchanging the coolant fluid, and \$49.95 for changing oil. Create a receipt with the details provided, and find the total amount she paid to service her vehicle.

Receipt	
Items	Price

- 3) Liam bought a shelving unit for \$19.88, a storage box priced at \$ 8.97, a step ladder for \$ 24.41, and a can of metallic paint for \$ 31.18 from a home improvement store. Fill in the receipt below, and find how much in total Liam spent on these items.

Receipt	
Items	Price

Name : _____

Make a Receipt

- 1) Graham ordered the following bestsellers online: "The Rooster Bar" for \$14.99, "The Elf on the Shelf" for \$6.25, "Origin" for \$13.47, and "The Getaway" for \$9.59. Create a receipt to show how much he had to pay in all toward the order.

Receipt	
Items	Price

- 2) Nancy bought a multi-row necklace for \$198.95 and a pair of pearl earrings for \$16.87. She also spent \$29.62 for a pearl bracelet. Create a cash receipt to find how much she spent to buy these altogether.

Receipt	
Items	Price

- 3) Zack bought the following office supplies from a neighborhood store: an ink cartridge for \$25.85, a printer for \$398.76, and a ream of paper that cost \$13.74. Create a receipt to determine the total amount Zack spent.

Receipt	
Items	Price

Time on Analog Clocks

Sheet 1

Find the start time, end time and elapsed time for each problem.**Start time****End time****Elapsed time**

1)

**1:15****9:20****8 hours and 5 minutes**

2)



3)



4)



5)



6)



Time on Analog Clocks

Sheet 2

Find the start time, end time and elapsed time for each problem.**Start time****End time****Elapsed time**

1)

**3:00****9:00****6 hours**

2)



3)



4)



5)



6)



Time on Analog Clocks

Sheet 3

Find the start time, end time and elapsed time for each problem.**Start time****End time****Elapsed time**

1)

**6:00****2:00****8 hours**

2)



3)



4)



5)



6)



Name : _____

Subtracting Proper Fractions

Easy: S1

1) $\frac{2}{3} - \frac{4}{12} =$

2) $\frac{5}{7} - \frac{3}{5} =$

3) $\frac{7}{8} - \frac{5}{6} =$

4) $\frac{3}{4} - \frac{1}{8} =$

5) $\frac{9}{10} - \frac{3}{4} =$

6) $\frac{2}{3} - \frac{1}{2} =$

7) $\frac{6}{7} - \frac{1}{2} =$

8) $\frac{9}{10} - \frac{3}{5} =$

9) $\frac{3}{4} - \frac{2}{3} =$

10) $\frac{8}{9} - \frac{5}{6} =$

11) $\frac{10}{12} - \frac{7}{9} =$

12) $\frac{3}{4} - \frac{1}{2} =$

13) $\frac{7}{8} - \frac{4}{5} =$

14) $\frac{5}{6} - \frac{1}{3} =$

Name : _____

Subtracting Proper Fractions

Easy: S2

1) $\frac{7}{11} - \frac{1}{2} =$

2) $\frac{3}{4} - \frac{5}{8} =$

3) $\frac{4}{5} - \frac{2}{3} =$

4) $\frac{9}{10} - \frac{5}{6} =$

5) $\frac{7}{8} - \frac{1}{2} =$

6) $\frac{8}{9} - \frac{2}{3} =$

7) $\frac{11}{12} - \frac{3}{6} =$

8) $\frac{6}{8} - \frac{4}{7} =$

9) $\frac{2}{3} - \frac{1}{2} =$

10) $\frac{3}{4} - \frac{1}{2} =$

11) $\frac{8}{10} - \frac{2}{5} =$

12) $\frac{7}{9} - \frac{3}{6} =$

13) $\frac{11}{12} - \frac{1}{3} =$

14) $\frac{4}{5} - \frac{1}{4} =$

Name : _____

Subtracting Proper Fractions

Easy: S3

1) $\frac{6}{8} - \frac{1}{4} =$

2) $\frac{7}{9} - \frac{2}{3} =$

3) $\frac{4}{6} - \frac{7}{12} =$

4) $\frac{8}{10} - \frac{3}{5} =$

5) $\frac{1}{2} - \frac{2}{9} =$

6) $\frac{7}{8} - \frac{1}{3} =$

7) $\frac{4}{5} - \frac{8}{11} =$

8) $\frac{6}{7} - \frac{3}{4} =$

9) $\frac{5}{6} - \frac{2}{3} =$

10) $\frac{4}{5} - \frac{1}{2} =$

11) $\frac{10}{12} - \frac{2}{4} =$

12) $\frac{3}{4} - \frac{2}{6} =$

13) $\frac{3}{5} - \frac{1}{3} =$

14) $\frac{7}{8} - \frac{1}{2} =$

Name : _____

Subtracting Proper Fractions

Easy: S4

1) $\frac{1}{2} - \frac{3}{11} =$

2) $\frac{6}{7} - \frac{2}{3} =$

3) $\frac{3}{4} - \frac{5}{8} =$

4) $\frac{5}{6} - \frac{7}{12} =$

5) $\frac{7}{9} - \frac{1}{3} =$

6) $\frac{9}{10} - \frac{1}{2} =$

7) $\frac{2}{3} - \frac{3}{5} =$

8) $\frac{4}{6} - \frac{1}{4} =$

9) $\frac{11}{12} - \frac{2}{6} =$

10) $\frac{3}{4} - \frac{2}{7} =$

11) $\frac{5}{6} - \frac{4}{9} =$

12) $\frac{1}{2} - \frac{1}{8} =$

13) $\frac{4}{5} - \frac{3}{10} =$

14) $\frac{2}{3} - \frac{1}{2} =$