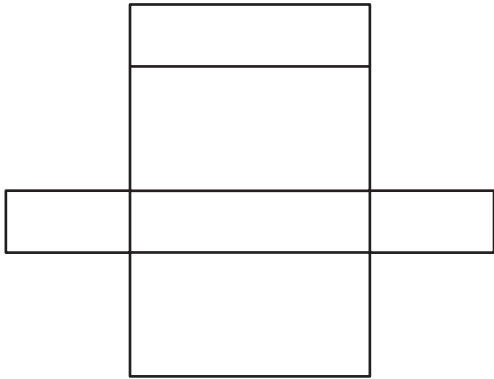


Name : \_\_\_\_\_

## 3D Shapes and Nets

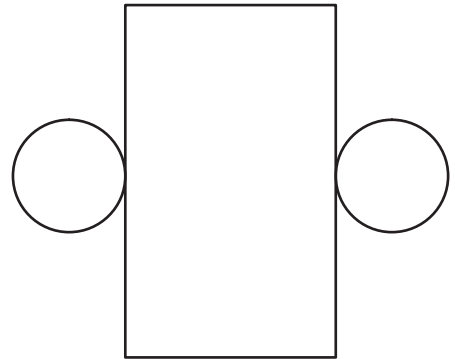
Name the 3D shape formed by each net.

1)



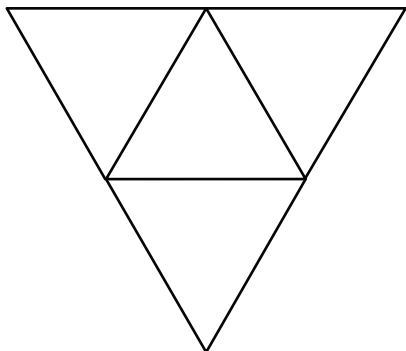
\_\_\_\_\_

2)



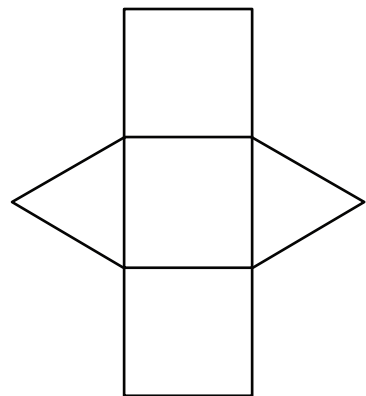
\_\_\_\_\_

3)



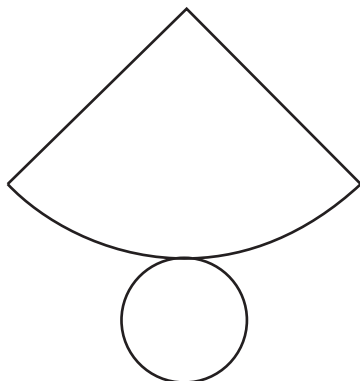
\_\_\_\_\_

4)



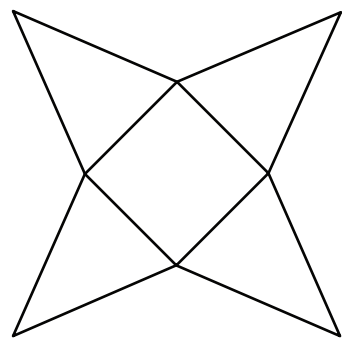
\_\_\_\_\_

5)



\_\_\_\_\_

6)



\_\_\_\_\_

Name : \_\_\_\_\_

T2S1

## Area of a Square

A) Find the area of each square for the given side length.

1) Side length =  $\frac{5}{2}$  m

Area = \_\_\_\_\_

2) Side length =  $2\frac{1}{3}$  mm

Area = \_\_\_\_\_

3) Side length =  $\frac{1}{6}$  mm

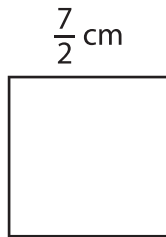
Area = \_\_\_\_\_

4) Side length =  $3\frac{3}{4}$  cm

Area = \_\_\_\_\_

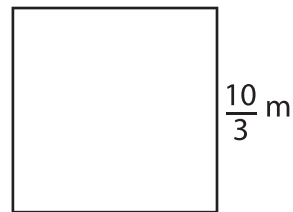
B) Find the area of each square.

5)



Area = \_\_\_\_\_

6)



Area = \_\_\_\_\_

7)



Area = \_\_\_\_\_

8)



Area = \_\_\_\_\_

9) If the side of a square measures  $\frac{8}{9}$  cm, determine the area.

\_\_\_\_\_

Name : \_\_\_\_\_

T2S2

## Area of a Square

A) Find the area of each square for the given side length.

1) Side length =  $\frac{2}{3}$  cm

Area = \_\_\_\_\_

2) Side length =  $\frac{5}{8}$  m

Area = \_\_\_\_\_

3) Side length =  $1\frac{5}{9}$  m

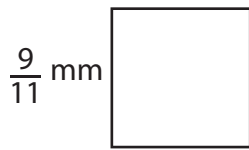
Area = \_\_\_\_\_

4) Side length =  $\frac{1}{5}$  mm

Area = \_\_\_\_\_

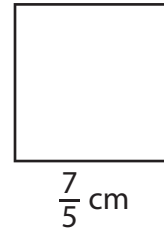
B) Find the area of each square.

5)



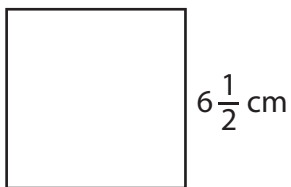
Area = \_\_\_\_\_

6)



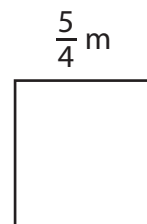
Area = \_\_\_\_\_

7)



Area = \_\_\_\_\_

8)



Area = \_\_\_\_\_

9) The length of the side of a square is  $\frac{6}{5}$  mm. What is the area of the square?

\_\_\_\_\_

Name : \_\_\_\_\_

T2S3

## Area of a Square

A) Find the area of each square for the given side length.

1) Side length =  $\frac{3}{4}$  mm

Area = \_\_\_\_\_

2) Side length =  $3\frac{2}{3}$  cm

Area = \_\_\_\_\_

3) Side length =  $\frac{1}{2}$  cm

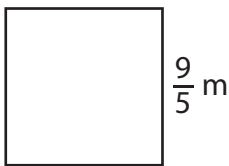
Area = \_\_\_\_\_

4) Side length =  $\frac{5}{6}$  m

Area = \_\_\_\_\_

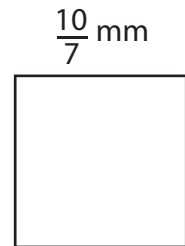
B) Find the area of each square.

5)



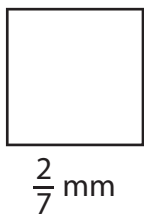
Area = \_\_\_\_\_

6)



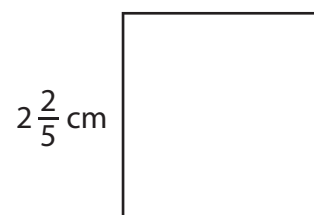
Area = \_\_\_\_\_

7)



Area = \_\_\_\_\_

8)



Area = \_\_\_\_\_

9) If the length of the side of a square is  $2\frac{5}{7}$  m, determine the area.

\_\_\_\_\_

Name : \_\_\_\_\_

T2S4

## Area of a Square

A) Find the area of each square for the given side length.

1) Side length =  $\frac{1}{7}$  m

Area = \_\_\_\_\_

2) Side length =  $\frac{5}{9}$  cm

Area = \_\_\_\_\_

3) Side length =  $\frac{10}{13}$  cm

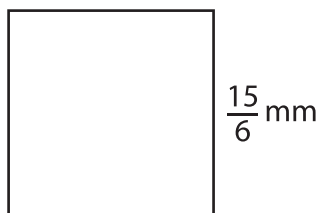
Area = \_\_\_\_\_

4) Side length =  $3\frac{1}{4}$  mm

Area = \_\_\_\_\_

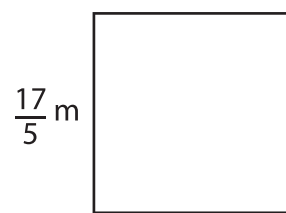
B) Find the area of each square.

5)



Area = \_\_\_\_\_

6)



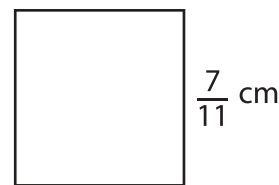
Area = \_\_\_\_\_

7)



Area = \_\_\_\_\_

8)



Area = \_\_\_\_\_

9) The length of the side of a square is  $\frac{2}{5}$  mm. What is the area of the square?

\_\_\_\_\_

Name : \_\_\_\_\_

T2S5

## Area of a Square

A) Find the area of each square for the given side length.

1) Side length =  $1\frac{5}{6}$  cm

Area = \_\_\_\_\_

2) Side length =  $\frac{5}{11}$  mm

Area = \_\_\_\_\_

3) Side length =  $\frac{4}{7}$  mm

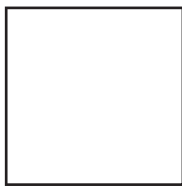
Area = \_\_\_\_\_

4) Side length =  $\frac{9}{4}$  m

Area = \_\_\_\_\_

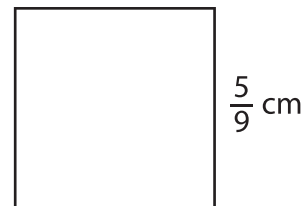
B) Find the area of each square.

5)  $\frac{11}{3}$  m



Area = \_\_\_\_\_

6)



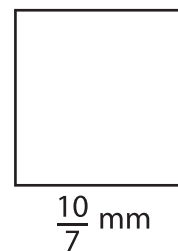
Area = \_\_\_\_\_

7)



Area = \_\_\_\_\_

8)



Area = \_\_\_\_\_

9) If the side of a square measures  $\frac{7}{9}$  m, determine the area.

\_\_\_\_\_

Name : \_\_\_\_\_

## Identifying Ordered Pairs

All quadrants: S1

A) Write the point that is located at each ordered pair.

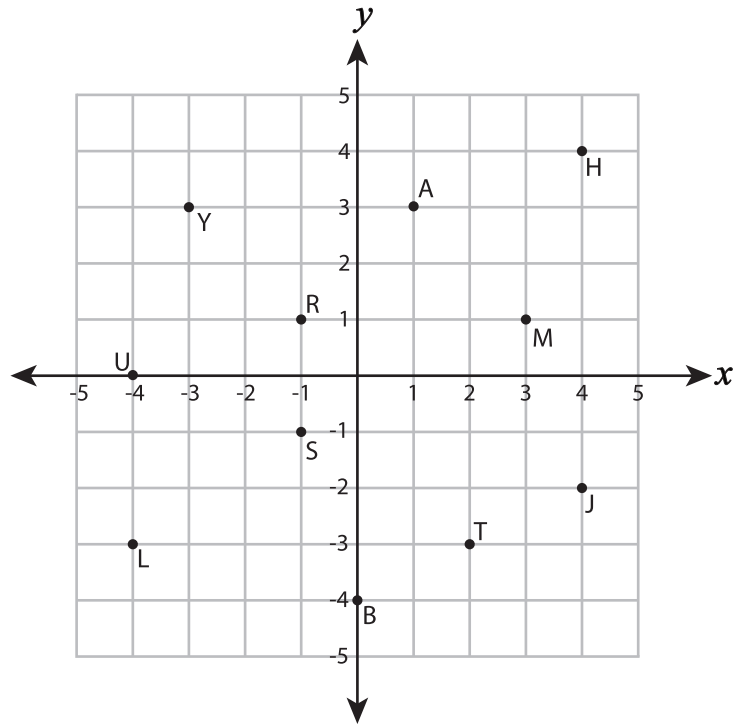
1)  $(1, 3)$  \_\_\_\_\_      2)  $(-4, 0)$  \_\_\_\_\_

3)  $(-1, 1)$  \_\_\_\_\_      4)  $(4, -2)$  \_\_\_\_\_

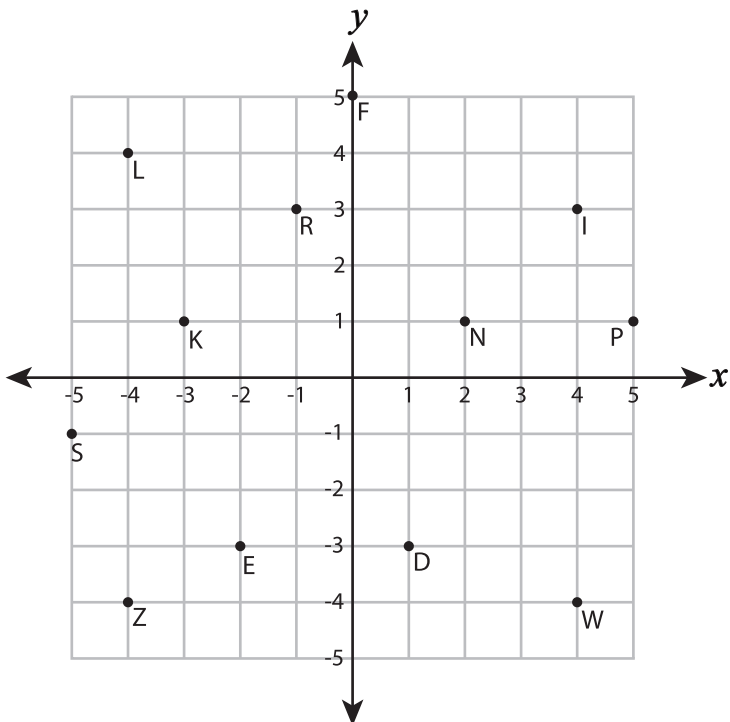
5)  $(2, -3)$  \_\_\_\_\_      6)  $(3, 1)$  \_\_\_\_\_

7)  $(4, 4)$  \_\_\_\_\_      8)  $(0, -4)$  \_\_\_\_\_

9)  $(-3, 3)$  \_\_\_\_\_      10)  $(-4, -3)$  \_\_\_\_\_



B) Write the ordered pair for each point.



11) L (\_\_\_\_, \_\_\_\_)

12) S (\_\_\_\_, \_\_\_\_)

13) E (\_\_\_\_, \_\_\_\_)

14) K (\_\_\_\_, \_\_\_\_)

15) N (\_\_\_\_, \_\_\_\_)

16) F (\_\_\_\_, \_\_\_\_)

17) I (\_\_\_\_, \_\_\_\_)

18) P (\_\_\_\_, \_\_\_\_)

19) D (\_\_\_\_, \_\_\_\_)

20) Z (\_\_\_\_, \_\_\_\_)

Name : \_\_\_\_\_

## Identifying Ordered Pairs

All quadrants: S2

A) Write the point that is located at each ordered pair.

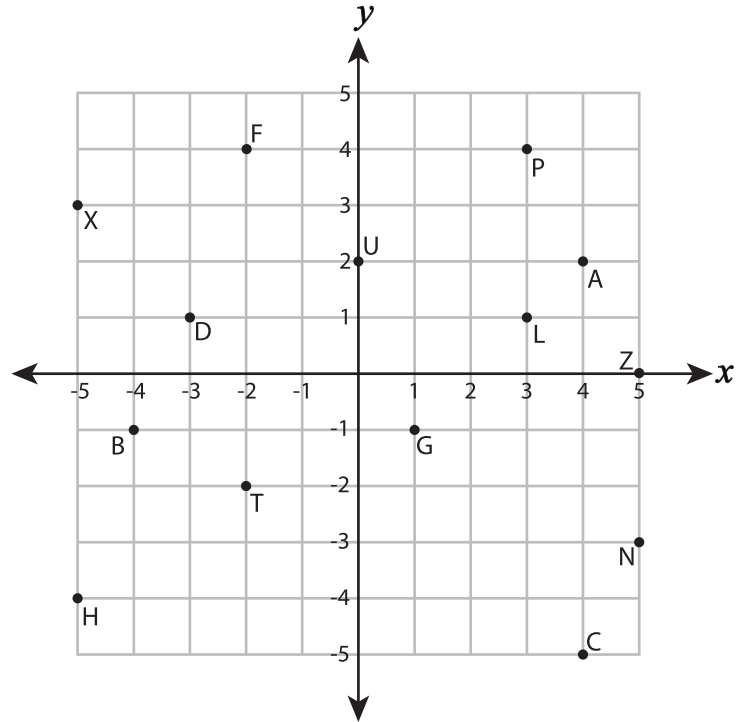
1)  $(4, -5)$  \_\_\_\_\_      2)  $(3, 4)$  \_\_\_\_\_

3)  $(-5, -4)$  \_\_\_\_\_      4)  $(5, 0)$  \_\_\_\_\_

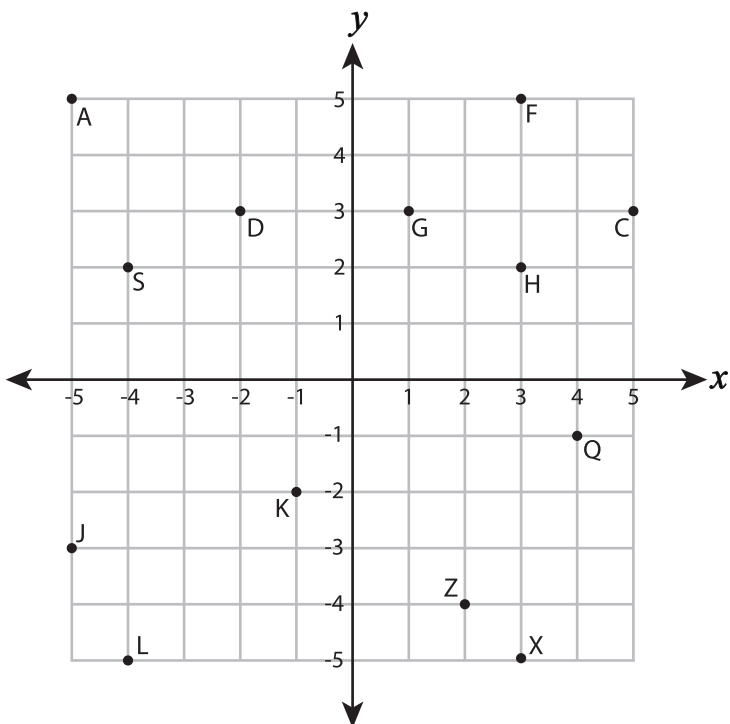
5)  $(1, -1)$  \_\_\_\_\_      6)  $(-5, 3)$  \_\_\_\_\_

7)  $(0, 2)$  \_\_\_\_\_      8)  $(-4, -1)$  \_\_\_\_\_

9)  $(5, -3)$  \_\_\_\_\_      10)  $(3, 1)$  \_\_\_\_\_



B) Write the ordered pair for each point.



11) H (\_\_\_\_, \_\_\_\_)

12) Q (\_\_\_\_, \_\_\_\_)

13) K (\_\_\_\_, \_\_\_\_)

14) G (\_\_\_\_, \_\_\_\_)

15) S (\_\_\_\_, \_\_\_\_)

16) J (\_\_\_\_, \_\_\_\_)

17) Z (\_\_\_\_, \_\_\_\_)

18) D (\_\_\_\_, \_\_\_\_)

19) A (\_\_\_\_, \_\_\_\_)

20) L (\_\_\_\_, \_\_\_\_)



Name : \_\_\_\_\_

## Identifying Ordered Pairs

All quadrants: S3

A) Write the point that is located at each ordered pair.

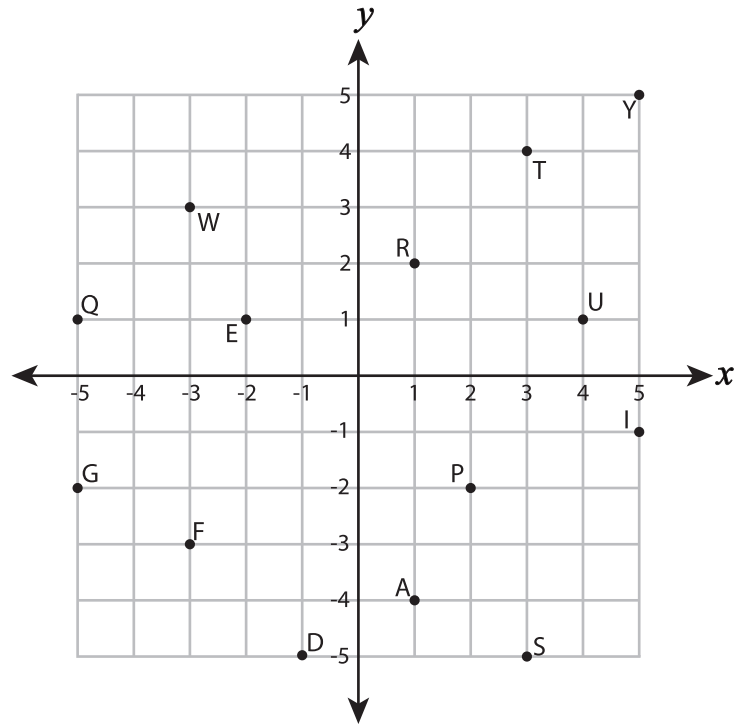
1)  $(4, 1)$  \_\_\_\_\_      2)  $(3, -5)$  \_\_\_\_\_

3)  $(-5, 1)$  \_\_\_\_\_      4)  $(5, 5)$  \_\_\_\_\_

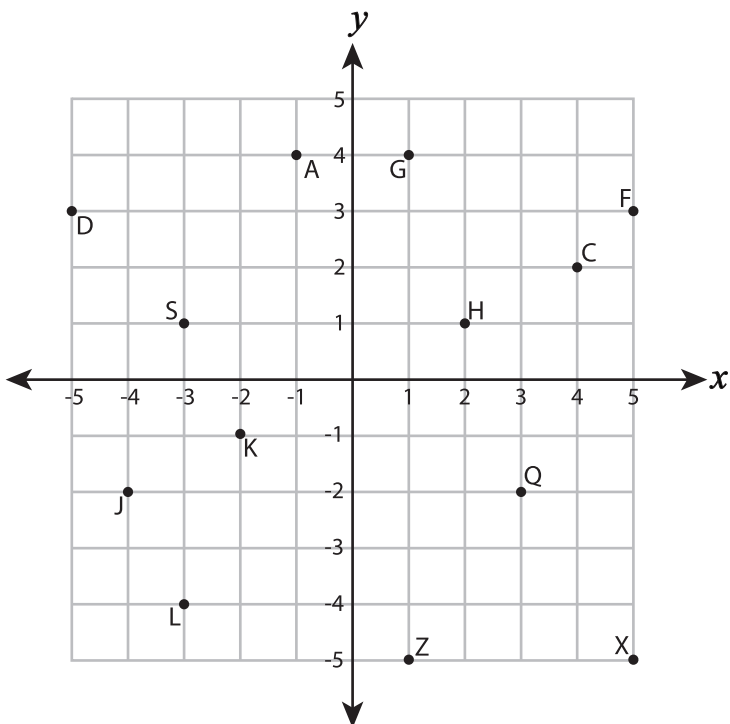
5)  $(1, -4)$  \_\_\_\_\_      6)  $(-1, -5)$  \_\_\_\_\_

7)  $(-3, -3)$  \_\_\_\_\_      8)  $(-5, -2)$  \_\_\_\_\_

9)  $(-2, 1)$  \_\_\_\_\_      10)  $(1, 2)$  \_\_\_\_\_



B) Write the ordered pair for each point.



11) Q ( \_\_\_\_\_ , \_\_\_\_\_ )

12) S ( \_\_\_\_\_ , \_\_\_\_\_ )

13) D ( \_\_\_\_\_ , \_\_\_\_\_ )

14) L ( \_\_\_\_\_ , \_\_\_\_\_ )

15) G ( \_\_\_\_\_ , \_\_\_\_\_ )

16) Z ( \_\_\_\_\_ , \_\_\_\_\_ )

17) X ( \_\_\_\_\_ , \_\_\_\_\_ )

18) A ( \_\_\_\_\_ , \_\_\_\_\_ )

19) J ( \_\_\_\_\_ , \_\_\_\_\_ )

20) F ( \_\_\_\_\_ , \_\_\_\_\_ )

Name : \_\_\_\_\_

### Identifying Ordered Pairs

All quadrants: S4

A) Write the point that is located at each ordered pair.

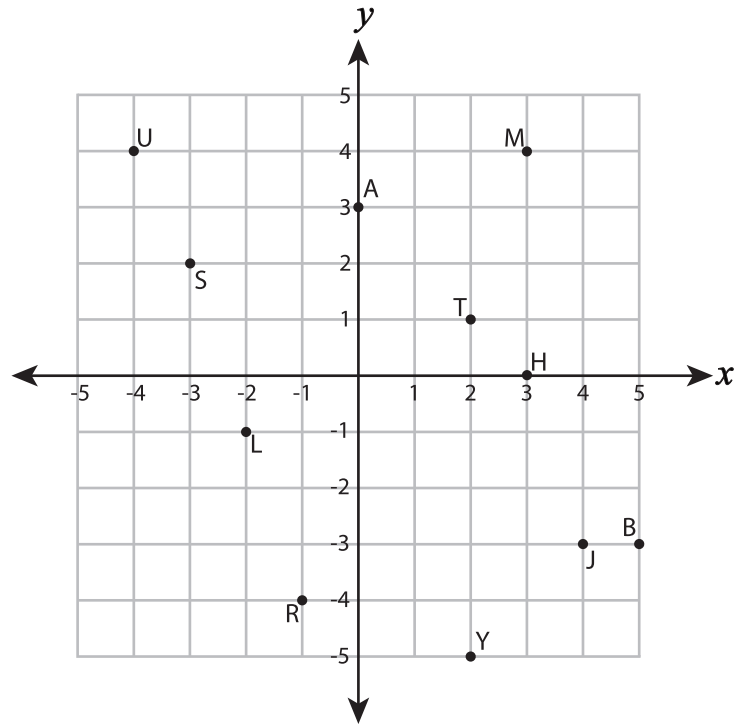
1)  $(5, -3)$  \_\_\_\_\_      2)  $(3, 0)$  \_\_\_\_\_

3)  $(-4, 4)$  \_\_\_\_\_      4)  $(2, -5)$  \_\_\_\_\_

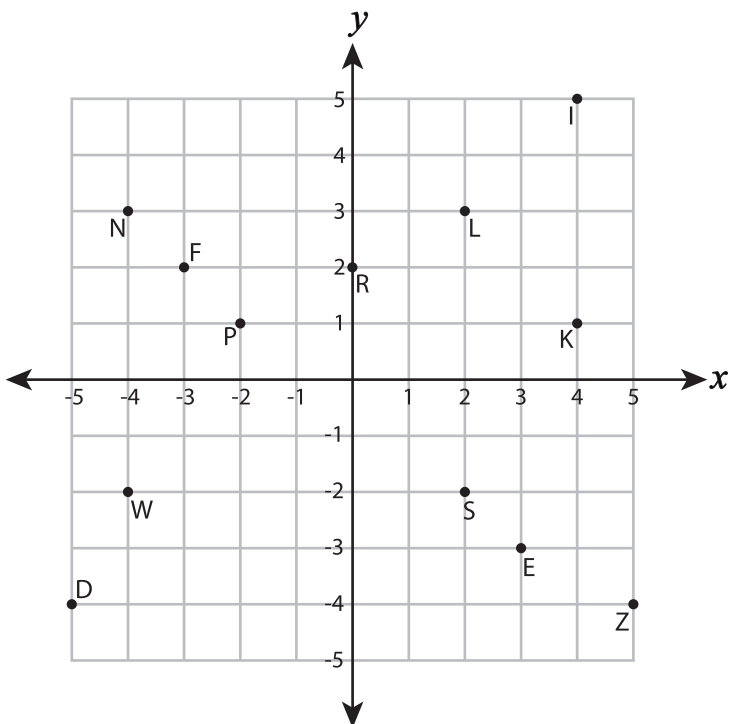
5)  $(0, 3)$  \_\_\_\_\_      6)  $(2, 1)$  \_\_\_\_\_

7)  $(-1, -4)$  \_\_\_\_\_      8)  $(3, 4)$  \_\_\_\_\_

9)  $(-2, -1)$  \_\_\_\_\_      10)  $(4, -3)$  \_\_\_\_\_



B) Write the ordered pair for each point.



11) S ( \_\_\_\_\_ , \_\_\_\_\_ )

12) D ( \_\_\_\_\_ , \_\_\_\_\_ )

13) W ( \_\_\_\_\_ , \_\_\_\_\_ )

14) N ( \_\_\_\_\_ , \_\_\_\_\_ )

15) K ( \_\_\_\_\_ , \_\_\_\_\_ )

16) I ( \_\_\_\_\_ , \_\_\_\_\_ )

17) P ( \_\_\_\_\_ , \_\_\_\_\_ )

18) F ( \_\_\_\_\_ , \_\_\_\_\_ )

19) L ( \_\_\_\_\_ , \_\_\_\_\_ )

20) Z ( \_\_\_\_\_ , \_\_\_\_\_ )

Name : \_\_\_\_\_

## Identifying Ordered Pairs

All quadrants: S5

A) Write the point that is located at each ordered pair.

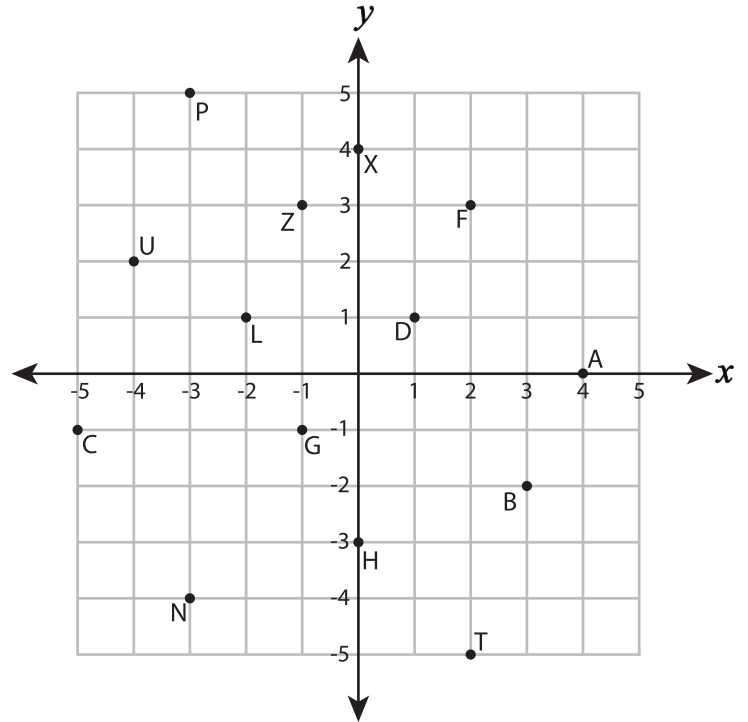
1)  $(0, 4)$  \_\_\_\_\_      2)  $(-3, -4)$  \_\_\_\_\_

3)  $(3, -2)$  \_\_\_\_\_      4)  $(-1, -1)$  \_\_\_\_\_

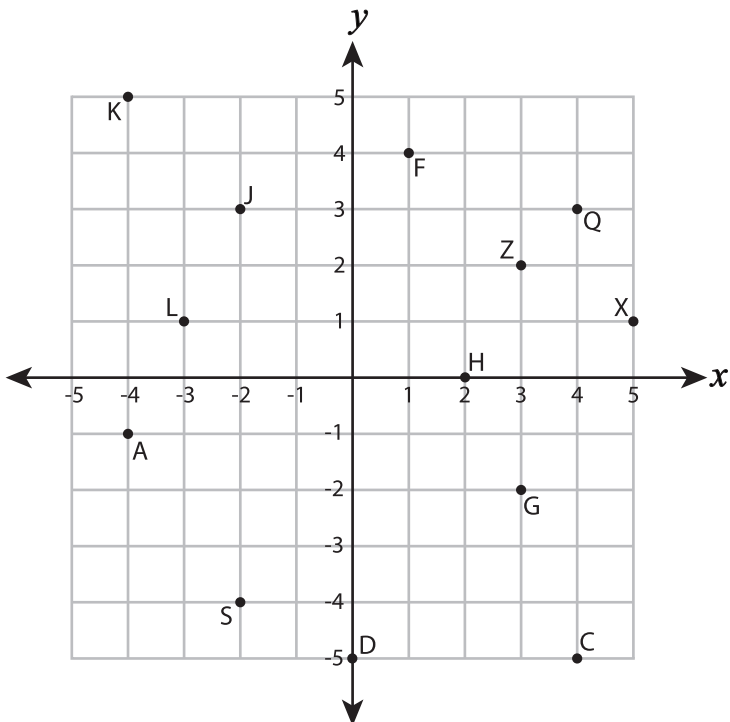
5)  $(-3, 5)$  \_\_\_\_\_      6)  $(-4, 2)$  \_\_\_\_\_

7)  $(-5, -1)$  \_\_\_\_\_      8)  $(-2, 1)$  \_\_\_\_\_

9)  $(-1, 3)$  \_\_\_\_\_      10)  $(0, -3)$  \_\_\_\_\_



B) Write the ordered pair for each point.



11) D (\_\_\_\_, \_\_\_\_)

12) S (\_\_\_\_, \_\_\_\_)

13) A (\_\_\_\_, \_\_\_\_)

14) X (\_\_\_\_, \_\_\_\_)

15) L (\_\_\_\_, \_\_\_\_)

16) K (\_\_\_\_, \_\_\_\_)

17) H (\_\_\_\_, \_\_\_\_)

18) Z (\_\_\_\_, \_\_\_\_)

19) G (\_\_\_\_, \_\_\_\_)

20) Q (\_\_\_\_, \_\_\_\_)

Name : \_\_\_\_\_

## One-Step Equations: Integers

Add/Sub Level 1: S1

Solve each equation.

1)  $x + 9 = 12$

2)  $s - 1 = 10$

3)  $3 = z - 11$

4)  $5 + y = 7$

5)  $8 = 2 + q$

6)  $6 = n - 4$

7)  $r - 2 = 5$

8)  $6 = m + 6$

9)  $p + 7 = 8$

10)  $4 + a = 13$

Name : \_\_\_\_\_

## One-Step Equations: Integers

Add/Sub Level 1: S2

Solve each equation.

1)  $11 = z - 5$

2)  $w - 7 = 2$

3)  $15 = 12 + s$

4)  $q + 6 = 20$

5)  $p - 10 = 3$

6)  $15 = m + 9$

7)  $8 + a = 13$

8)  $5 = y - 4$

9)  $n - 2 = 18$

10)  $u + 14 = 15$

Name : \_\_\_\_\_

## One-Step Equations: Integers

Add/Sub Level 1: S3

Solve each equation.

1)  $3 + u = 9$

2)  $12 = a + 7$

3)  $13 = c - 6$

4)  $p - 4 = 0$

5)  $16 = s + 1$

6)  $v + 5 = 12$

7)  $w - 8 = 4$

8)  $2 + t = 3$

9)  $7 = 4 + g$

10)  $b - 10 = 1$

Name : \_\_\_\_\_

## One-Step Equations: Integers

Add/Sub Level 1: S4

Solve each equation.

1)  $y - 9 = 3$

2)  $m + 4 = 11$

3)  $7 = b + 7$

4)  $a - 1 = 9$

5)  $9 = 2 + x$

6)  $s - 3 = 4$

7)  $n - 5 = 10$

8)  $18 = r + 6$

9)  $11 = 6 + z$

10)  $5 + p = 8$

Name : \_\_\_\_\_

## One-Step Equations: Integers

Add/Sub Level 1: S5

Solve each equation.

1)  $7 = 2 + a$

2)  $d - 9 = 9$

3)  $p - 3 = 5$

4)  $16 = s - 2$

5)  $z - 6 = 7$

6)  $11 = 1 + u$

7)  $y + 4 = 5$

8)  $8 = q - 3$

9)  $5 = 2 + r$

10)  $v - 9 = 6$



**Representation of Integers**

Sheet 1

Write an integer to represent each situation mentioned below:

- 1) James withdrew \$80 from his bank account.

\_\_\_\_\_

- 2) Harry adds 18 more toy cars to his collection.

\_\_\_\_\_

- 3) Kevin took 5 crayons to school and lost them all.

\_\_\_\_\_

- 4) Lillian received \$10 as pocket money from her dad.

\_\_\_\_\_

- 5) Mr. Johnson was fined \$13 as he failed to pay the telephone bill on time.

\_\_\_\_\_

- 6) Anna's vegetable patch yielded 26 tomatoes in all.

\_\_\_\_\_

- 7) Danny distributed 19 cupcakes to his friends on Thanksgiving Day.

\_\_\_\_\_

- 8) Jim's friend gave him 7 candies.

\_\_\_\_\_

- 9) Boston recorded a subzero temperature of  $31^{\circ}\text{F}$ .

\_\_\_\_\_

- 10) The University basket ball match team lost their 12 points lead in the final quarter of the match.

\_\_\_\_\_

**Representation of Integers**

Write an integer to represent each situation mentioned below:

- 1) Trevor's credit card bill is \$23 more than it was the previous month.

\_\_\_\_\_

- 2) The stock market lost 6 points at the time of the closing bell.

\_\_\_\_\_

- 3) Lara owes \$15 to her friend Max.

\_\_\_\_\_

- 4) There was an increase in price of crude oil by \$3 yesterday.

\_\_\_\_\_

- 5) Frieda lost \$75 playing roulette at a casino.

\_\_\_\_\_

- 6) The Mariana Trench is located 36,070 feet below sea level.

\_\_\_\_\_

- 7) Graham worked 8 hours overtime on Monday.

\_\_\_\_\_

- 8) There was a shortage of \$76 in the petty cash fund.

\_\_\_\_\_

- 9) 57 apples were damaged in transit.

\_\_\_\_\_

- 10) The temperature rose by 9 degrees today.

\_\_\_\_\_

**Representation of Integers**

Write an integer to represent each situation mentioned below:

- 1) Brenda spilled 8 ounces of lemonade accidentally.

\_\_\_\_\_

- 2) Mr. Meyer's bank account was credited with \$85.

\_\_\_\_\_

- 3) Susan went on a low-carb diet and lost 23 pounds.

\_\_\_\_\_

- 4) The starting point of the trek was 59 feet above sea level.

\_\_\_\_\_

- 5) Gillian bought 6 goldfish and put them in her aquarium.

\_\_\_\_\_

- 6) Charlotte spent \$65 on a new hairdo.

\_\_\_\_\_

- 7) The temperature of the surrounding area decreased by  $9^{\circ}\text{F}$ .

\_\_\_\_\_

- 8) Phoenix Blasters lost the basketball game by 11 points.

\_\_\_\_\_

- 9) Kirk was gifted 5 storybooks by his aunt.

\_\_\_\_\_

- 10) 17 gallons of water overflowed from a barrel.

\_\_\_\_\_

Name : \_\_\_\_\_

## Greatest Common Factor

MS1

Find the greatest common factor for each pair of numbers.

1) 28, 12

Factors of 28 = \_\_\_\_\_

Factors of 12 = \_\_\_\_\_

GCF(28, 12) = \_\_\_\_\_

2) 90, 30

Factors of 90 = \_\_\_\_\_

Factors of 30 = \_\_\_\_\_

GCF(90, 30) = \_\_\_\_\_

3) 36, 54

Factors of 36 = \_\_\_\_\_

Factors of 54 = \_\_\_\_\_

GCF(36, 54) = \_\_\_\_\_

4) 26, 52

Factors of 26 = \_\_\_\_\_

Factors of 52 = \_\_\_\_\_

GCF(26, 52) = \_\_\_\_\_

5) 21, 27

Factors of 21 = \_\_\_\_\_

Factors of 27 = \_\_\_\_\_

GCF(21, 27) = \_\_\_\_\_

Name : \_\_\_\_\_

## Greatest Common Factor

MS2

Find the greatest common factor for each pair of numbers.

1) 36, 24

Factors of 36 = \_\_\_\_\_

Factors of 24 = \_\_\_\_\_

GCF(36, 24) = \_\_\_\_\_

2) 44, 66

Factors of 44 = \_\_\_\_\_

Factors of 66 = \_\_\_\_\_

GCF(44, 66) = \_\_\_\_\_

3) 40, 80

Factors of 40 = \_\_\_\_\_

Factors of 80 = \_\_\_\_\_

GCF(40, 80) = \_\_\_\_\_

4) 84, 14

Factors of 84 = \_\_\_\_\_

Factors of 14 = \_\_\_\_\_

GCF(84, 14) = \_\_\_\_\_

5) 45, 75

Factors of 45 = \_\_\_\_\_

Factors of 75 = \_\_\_\_\_

GCF(45, 75) = \_\_\_\_\_

Name : \_\_\_\_\_

## Greatest Common Factor

MS3

Find the greatest common factor for each pair of numbers.

1) 98, 28

Factors of 98 = \_\_\_\_\_

Factors of 28 = \_\_\_\_\_

GCF(98, 28) = \_\_\_\_\_

2) 12, 42

Factors of 12 = \_\_\_\_\_

Factors of 42 = \_\_\_\_\_

GCF(12, 42) = \_\_\_\_\_

3) 72, 60

Factors of 72 = \_\_\_\_\_

Factors of 60 = \_\_\_\_\_

GCF(72, 60) = \_\_\_\_\_

4) 55, 99

Factors of 55 = \_\_\_\_\_

Factors of 99 = \_\_\_\_\_

GCF(55, 99) = \_\_\_\_\_

5) 76, 32

Factors of 76 = \_\_\_\_\_

Factors of 32 = \_\_\_\_\_

GCF(76, 32) = \_\_\_\_\_

**Number Names - Decimals**

Mixed: L2S1

Write each decimal in words.

1) 173.567679 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_2) 325.09062 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_3) 69.3512 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_4) 9.27 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Write in decimals.

1) thirty and twelve thousand, five hundred forty-eight hundred-thousandths  
\_\_\_\_\_2) \_\_\_\_\_  
two hundred fifty-four and six tenths3) \_\_\_\_\_  
eighty-one and seven hundred twelve thousand, eight hundred  
fifty-three millionths4) \_\_\_\_\_  
five hundred nineteen and eight thousand, three hundred forty-seven  
ten-thousandths  
\_\_\_\_\_

**Number Names - Decimals**

Mixed: L2S2

Write each decimal in words.

1) 71.5832 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_2) 802.794356 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_3) 3.028 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_4) 94.46582 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Write in decimals.

1) one hundred fifty-six and two hundred seven thousand, five hundred eighty-nine millionths  
\_\_\_\_\_2) five and thirteen thousand, six hundred seventy-four hundred-thousandths  
\_\_\_\_\_3) sixty and three tenths  
\_\_\_\_\_4) three hundred forty-seven and eight thousand, five hundred ninety ten-thousandths  
\_\_\_\_\_



Name : \_\_\_\_\_

Score : \_\_\_\_\_

## Number Names - Decimals

Mixed: L2S3

Write each decimal in words.

1) 8.17349 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2) 430.067542 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3) 71.4257 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4) 354.9 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Write in decimals.

1) ninety-six and three hundred eighty-one thousand, nine hundred fifty-four millionths  
\_\_\_\_\_

2) \_\_\_\_\_  
four and fifty-one hundredths

3) \_\_\_\_\_  
six hundred twenty-three and seventy-five thousand, four hundred eighty-six hundred-thousandths

4) \_\_\_\_\_  
twenty-five and eight hundred ninety-three ten-thousandths  
\_\_\_\_\_

Name : \_\_\_\_\_

Score : \_\_\_\_\_

## Number Names - Decimals

Mixed: L2S4

Write each decimal in words.

1) 86.045327 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2) 127.3902 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3) 7.56097 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4) 519.28 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Write in decimals.

1) seventy-four and six thousand, two hundred eighteen ten-thousandths  
\_\_\_\_\_

2) \_\_\_\_\_  
eight and seventy thousand, three hundred ninety-four hundred-thousandths

3) \_\_\_\_\_  
six hundred five and four hundred thirty-eight thousand, one hundred two millionths

4) \_\_\_\_\_  
thirty and eight hundred fifty-two thousandths  
\_\_\_\_\_

Name : \_\_\_\_\_

Score : \_\_\_\_\_

## Number Names - Decimals

Mixed: L2S5

Write each decimal in words.

1) 143.962

---

---

---

2) 64.75421

---

---

---

3) 5.203967

---

---

---

4) 732.5416

---

---

---

Write in decimals.

1) nine and six tenths

---

2) eighty-seven and thirteen thousand, seven hundred twenty-six hundred-thousandths

---

3) two hundred fifty-six and three thousand, seven hundred eighty-four ten-thousandths

---

4) one and four hundred twenty thousand, six hundred thirteen millionths

---

Name: \_\_\_\_\_

## Multiplying Fractions - Cross Cancellation

L1S1

Find the product.

1)  $\frac{9}{10} \times \frac{2}{3}$

\_\_\_\_\_

2)  $\frac{12}{8} \times \frac{18}{16}$

\_\_\_\_\_

3)  $\frac{33}{7} \times \frac{14}{21}$

\_\_\_\_\_

4)  $\frac{6}{18} \times \frac{9}{42}$

\_\_\_\_\_

5)  $\frac{22}{15} \times \frac{45}{4}$

\_\_\_\_\_

6)  $\frac{3}{28} \times \frac{35}{6}$

\_\_\_\_\_

7)  $\frac{2}{7} \times \frac{35}{12}$

\_\_\_\_\_

8)  $\frac{16}{15} \times \frac{21}{24}$

\_\_\_\_\_

Name: \_\_\_\_\_

## Multiplying Fractions - Cross Cancellation

L1S2

Find the product.

1)  $\frac{4}{9} \times \frac{27}{20}$

\_\_\_\_\_

2)  $\frac{11}{12} \times \frac{26}{55}$

\_\_\_\_\_

3)  $\frac{7}{6} \times \frac{2}{3}$

\_\_\_\_\_

4)  $\frac{21}{8} \times \frac{20}{9}$

\_\_\_\_\_

5)  $\frac{7}{3} \times \frac{27}{4}$

\_\_\_\_\_

6)  $\frac{9}{20} \times \frac{15}{12}$

\_\_\_\_\_

7)  $\frac{5}{12} \times \frac{6}{25}$

\_\_\_\_\_

8)  $\frac{30}{9} \times \frac{10}{12}$

\_\_\_\_\_

Name: \_\_\_\_\_

## Multiplying Fractions - Cross Cancellation

L1S3

Find the product.

1)  $\frac{3}{10} \times \frac{4}{5}$

\_\_\_\_\_

2)  $\frac{10}{7} \times \frac{28}{15}$

\_\_\_\_\_

3)  $\frac{7}{3} \times \frac{12}{14}$

\_\_\_\_\_

4)  $\frac{3}{4} \times \frac{28}{18}$

\_\_\_\_\_

5)  $\frac{14}{9} \times \frac{8}{28}$

\_\_\_\_\_

6)  $\frac{44}{18} \times \frac{36}{11}$

\_\_\_\_\_

7)  $\frac{6}{13} \times \frac{26}{24}$

\_\_\_\_\_

8)  $\frac{7}{35} \times \frac{10}{21}$

\_\_\_\_\_

Name : \_\_\_\_\_

## Ratio: Drawing Activity

Sheet 1

- 1) Draw circles and triangles in the ratio 2 : 5.

\_\_\_\_\_

- 2) Draw hearts and squares in the ratio 7 : 3.

\_\_\_\_\_

- 3) Draw stars and pentagons in the ratio 4 : 2.

\_\_\_\_\_

- 4) Draw ovals and rectangles in the ratio 6 : 7.

\_\_\_\_\_

- 5) Draw hexagons and circles in the ratio 8 : 4.

\_\_\_\_\_

- 6) Draw diamonds and ovals in the ratio 5 : 3.

\_\_\_\_\_

- 7) Draw parallelograms and stars in the ratio 3 : 6.

\_\_\_\_\_

Name : \_\_\_\_\_

## Ratio: Drawing Activity

Sheet 2

- 1) Draw stars and hexagons in the ratio 5 : 4.

\_\_\_\_\_

- 2) Draw rectangles and hearts in the ratio 6 : 2.

\_\_\_\_\_

- 3) Draw squares and stars in the ratio 4 : 6.

\_\_\_\_\_

- 4) Draw circles and parallelograms in the ratio 7 : 2.

\_\_\_\_\_

- 5) Draw ovals and pentagons in the ratio 9 : 3.

\_\_\_\_\_

- 6) Draw rectangles and rhombuses in the ratio 6 : 5.

\_\_\_\_\_

- 7) Draw hearts and triangles in the ratio 1 : 8.

\_\_\_\_\_



Name : \_\_\_\_\_

## Ratio: Drawing Activity

Sheet 3

- 1) Draw ovals and diamonds in the ratio 9 : 4.

\_\_\_\_\_

- 2) Draw parallelograms and hexagons in the ratio 3 : 5.

\_\_\_\_\_

- 3) Draw rectangles and squares in the ratio 7 : 1.

\_\_\_\_\_

- 4) Draw pentagons and hearts in the ratio 5 : 2.

\_\_\_\_\_

- 5) Draw stars and triangles in the ratio 2 : 8.

\_\_\_\_\_

- 6) Draw squares and circles in the ratio 6 : 3.

\_\_\_\_\_

- 7) Draw hearts and stars in the ratio 7 : 4.

\_\_\_\_\_

Name : \_\_\_\_\_

## Division

Sheet 1

1)  $343 \overline{) 7,039}$

2)  $87 \overline{) 3,747}$

3)  $124 \overline{) 9,548}$

4)  $16 \overline{) 6,782}$

5)  $604 \overline{) 8,456}$

6)  $231 \overline{) 1,634}$

7)  $512 \overline{) 4,513}$

8)  $710 \overline{) 5,301}$

9)  $45 \overline{) 2,655}$

Name : \_\_\_\_\_

## Division

Sheet 2

1)

$$62 \overline{) 4,588}$$

2)

$$430 \overline{) 8,245}$$

3)

$$713 \overline{) 5,730}$$

4)

$$275 \overline{) 3,579}$$

5)

$$91 \overline{) 2,821}$$

6)

$$330 \overline{) 9,554}$$

7)

$$23 \overline{) 7,107}$$

8)

$$547 \overline{) 6,263}$$

9)

$$76 \overline{) 1,092}$$

Name : \_\_\_\_\_

## Division

Sheet 3

1)  $142 \overline{) 2,421}$

2)  $31 \overline{) 1,333}$

3)  $820 \overline{) 7,694}$

4)  $54 \overline{) 4,709}$

5)  $427 \overline{) 5,687}$

6)  $73 \overline{) 8,176}$

7)  $902 \overline{) 6,058}$

8)  $26 \overline{) 3,432}$

9)  $621 \overline{) 9,025}$

Name : \_\_\_\_\_

## Plotting Points

All quadrants: S1

A) Plot each point on the coordinate grid.

1) D(-2, 3)

2) H(-1, -5)

3) K(2, 2)

4) U(2, 4)

5) E(-1, -1)

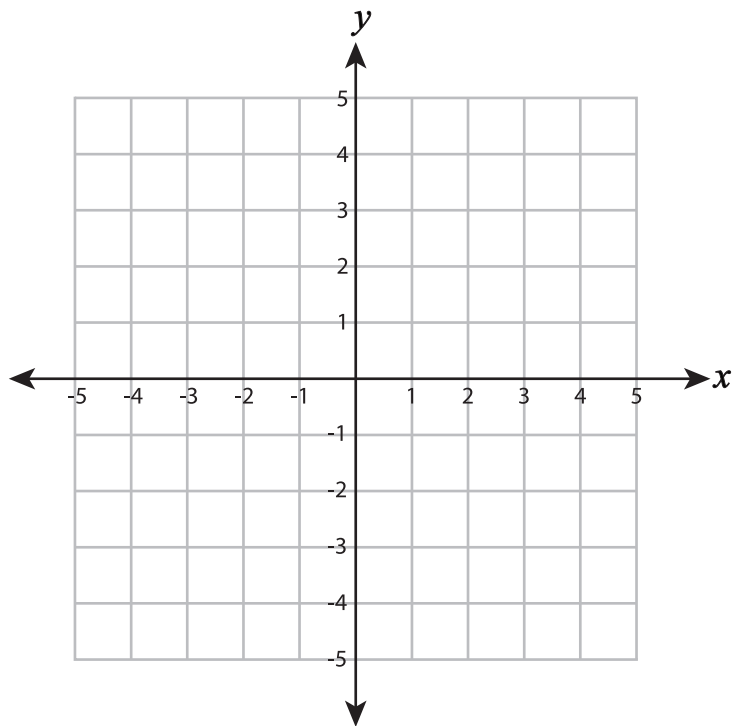
6) L(-3, 5)

7) P(0, 5)

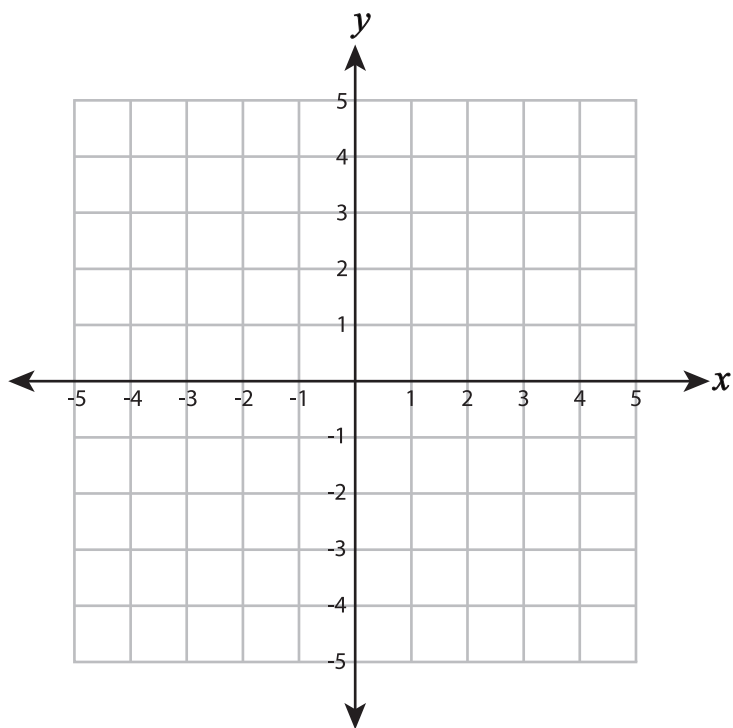
8) A(-3, -4)

9) C(1, 4)

10) G(-1, 0)



B) Draw each shape on the coordinate grid.



11) Draw ○ at (5, 0)

12) Draw ☆ at (-4, 5)

13) Draw □ at (-1, -3)

14) Draw △ at (0, 5)

15) Draw □ at (4, -4)

Name : \_\_\_\_\_

## Plotting Points

All quadrants: S2

A) Plot each point on the coordinate grid.

1) J(1, 3)

2) L(-5, 1)

3) F(-4, -1)

4) Y(3, 1)

5) T(5, 5)

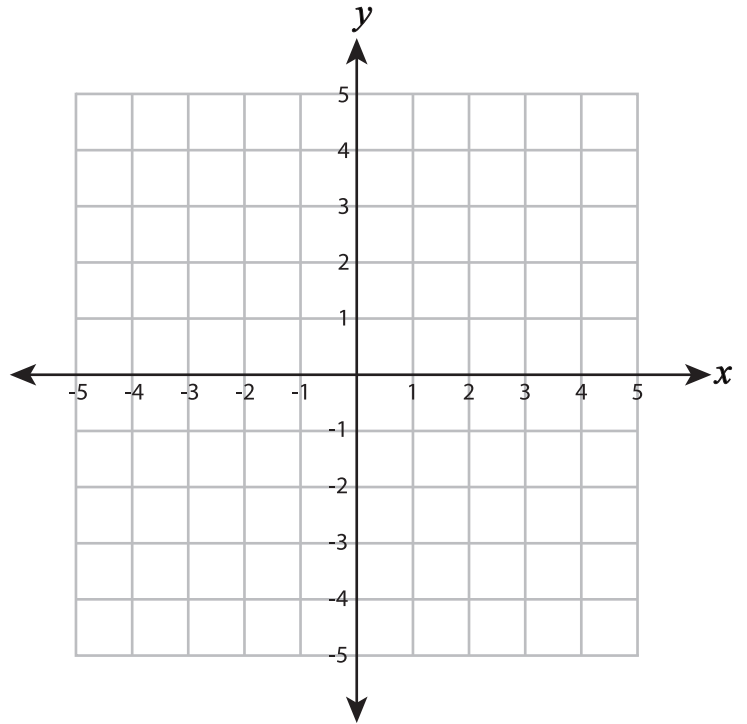
6) E(-4, 0)

7) Q(-1, 4)

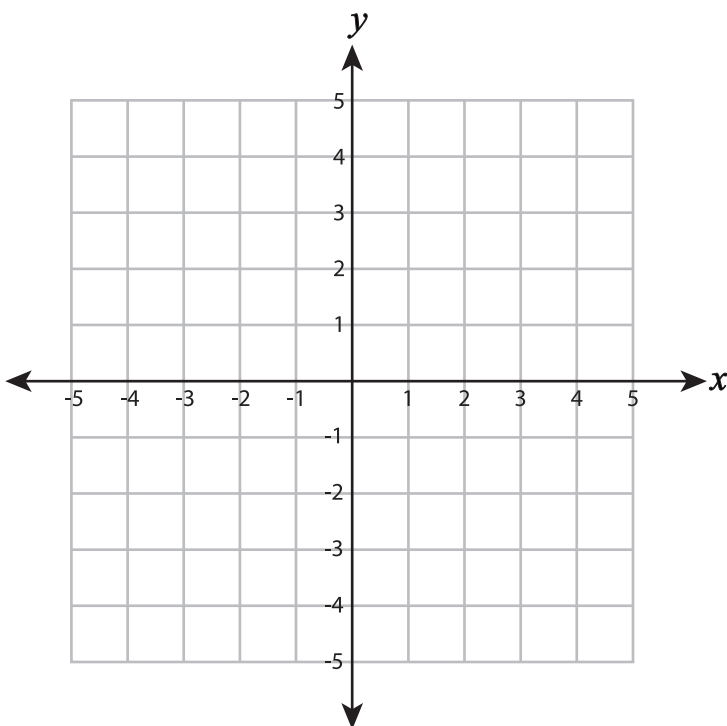
8) X(-5, -3)

9) Z(2, -3)

10) H(-4, 2)



B) Draw each shape on the coordinate grid.



11) Draw ○ at (4, 3)

12) Draw ☆ at (1, -5)

13) Draw □ at (-4, -5)

14) Draw △ at (5, -4)

15) Draw □ at (0, -2)

Name : \_\_\_\_\_

## Plotting Points

All quadrants: S3

A) Plot each point on the coordinate grid.

1) P(-4, 1)

2) E(5, 2)

3) R(-2, -5)

4) I(1, -3)

5) M(-4, 4)

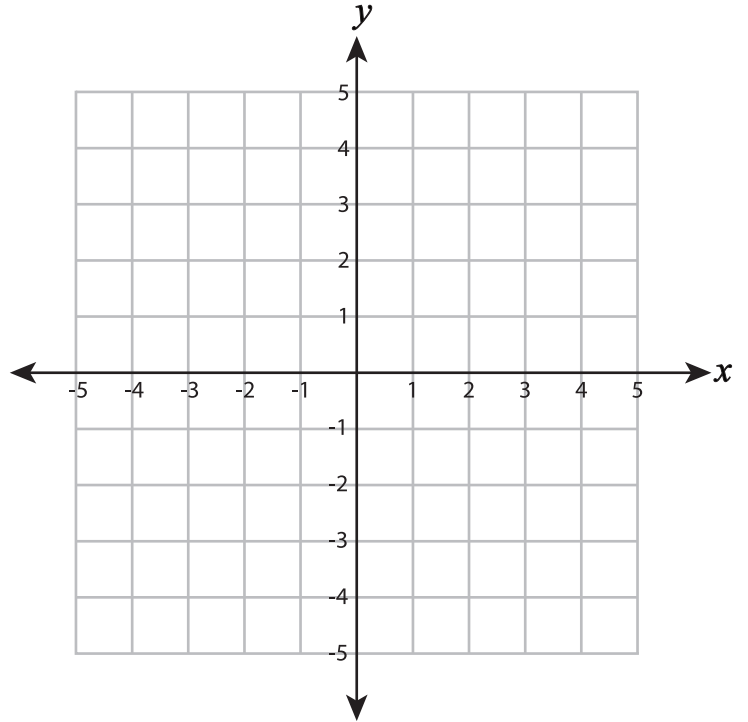
6) D(0, -1)

7) H(-2, 5)

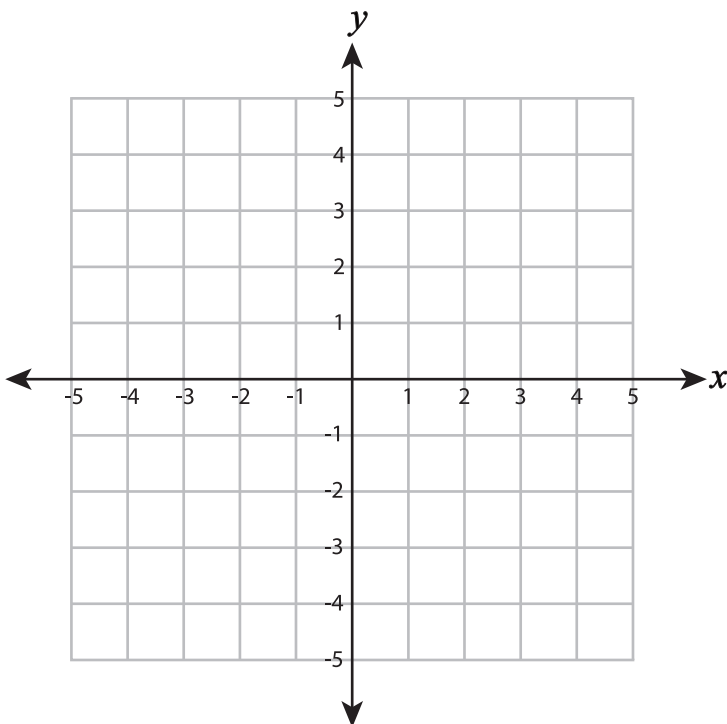
8) G(-4, -3)

9) L(3, -3)

10) X(2, 2)



B) Draw each shape on the coordinate grid.



11) Draw ○ at (3, -4)

12) Draw ☆ at (-5, 5)

13) Draw □ at (3, 0)

14) Draw △ at (-1, -4)

15) Draw □ at (4, 4)

Name : \_\_\_\_\_

## Plotting Points

All quadrants: 54

A) Plot each point on the coordinate grid.

1) G(4, -5)

2) L(0, -3)

3) X(-2, 5)

4) R(3, -4)

5) P(1, 2)

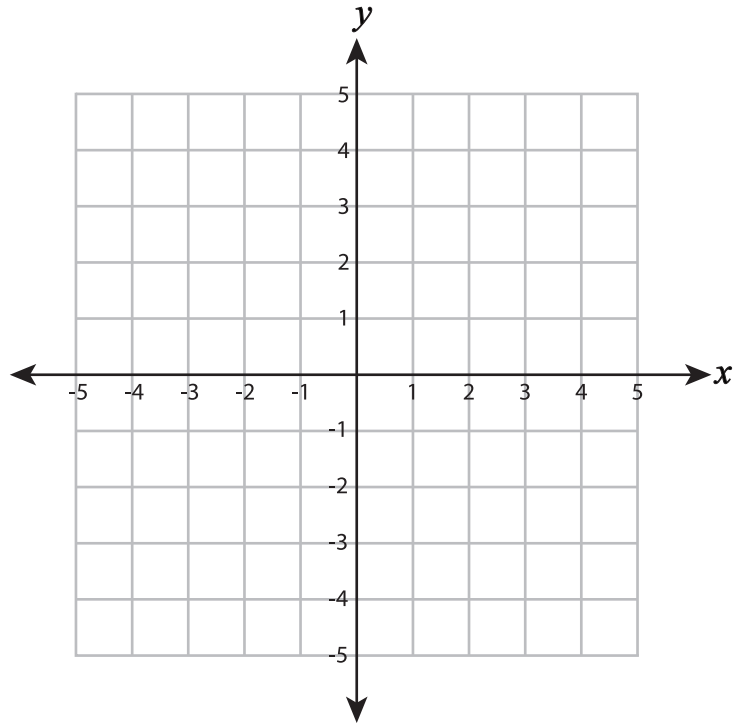
6) D(-2, -3)

7) E(-4, 3)

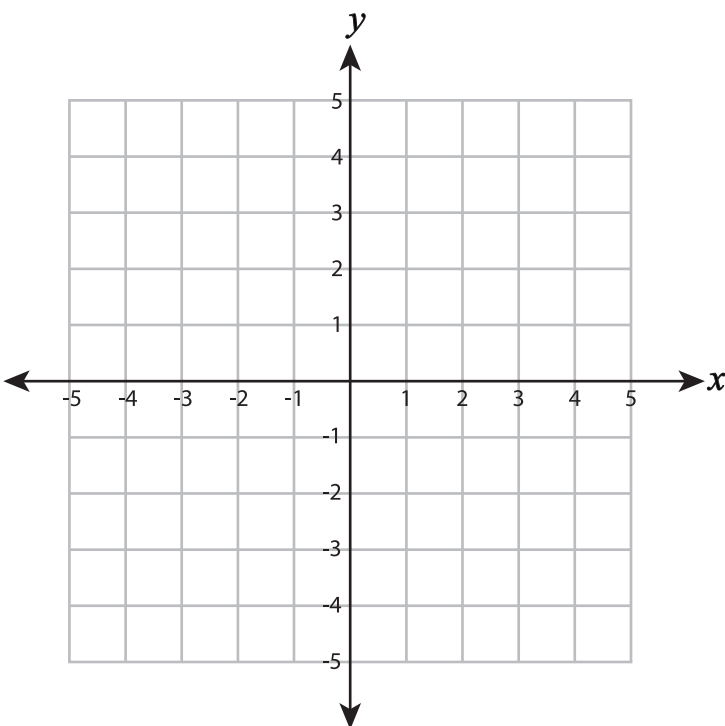
8) M(4, 2)

9) H(2, 4)

10) I(-4, -1)



B) Draw each shape on the coordinate grid.



11) Draw ○ at (-1, 3)

12) Draw ☆ at (-3, -2)

13) Draw □ at (0, 1)

14) Draw △ at (3, 2)

15) Draw □ at (2, -2)



Name : \_\_\_\_\_

## Plotting Points

All quadrants: S5

A) Plot each point on the coordinate grid.

1) A(-3, 2)

2) C(4, 5)

3) G(-2, 4)

4) K(3, 4)

5) D(-2, -3)

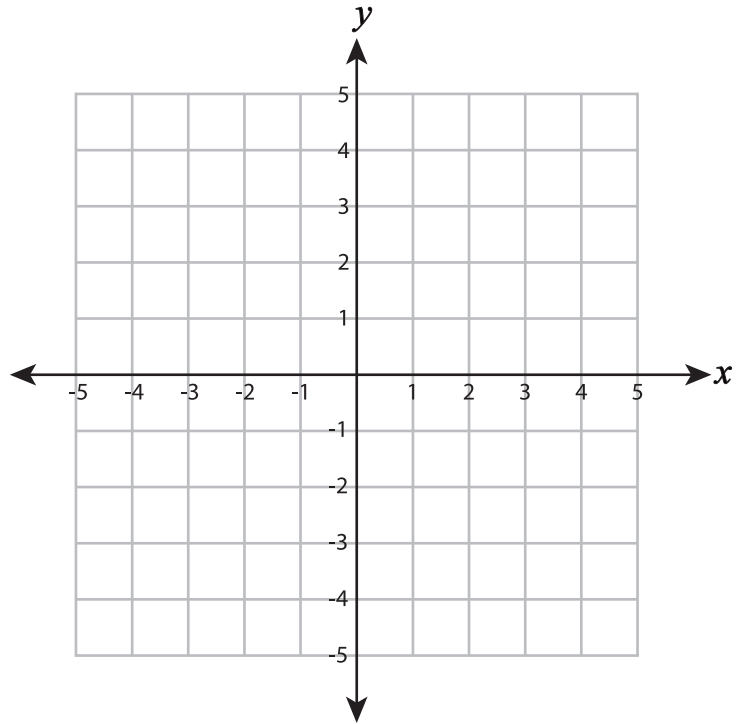
6) H(4, -3)

7) U(1, 3)

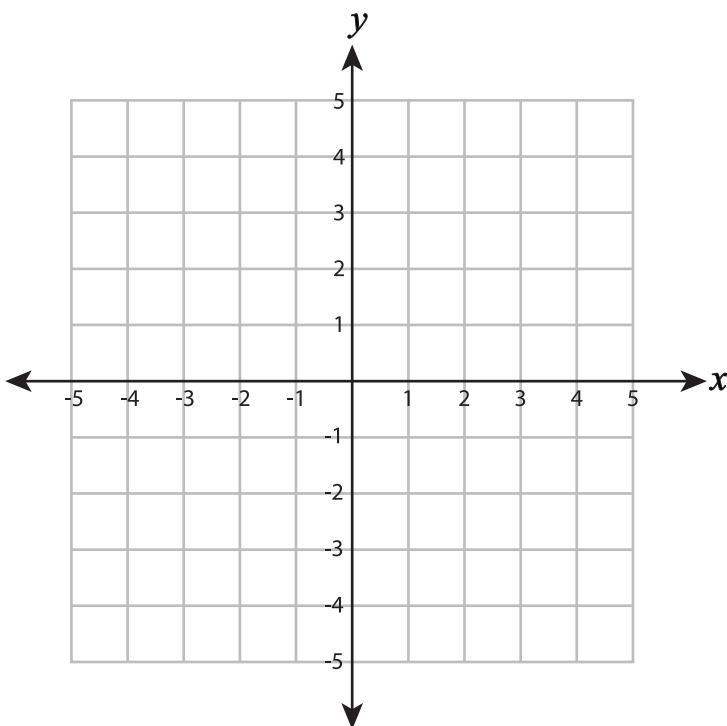
8) E(-2, 1)

9) L(-4, -2)

10) P(3, -2)



B) Draw each shape on the coordinate grid.



11) Draw ○ at (-3, -4)

12) Draw ☆ at (3, -2)

13) Draw □ at (4, 3)

14) Draw △ at (2, -5)

15) Draw □ at (-2, 2)

Name : \_\_\_\_\_

Score : \_\_\_\_\_

## Solving One-Step Inequalities

ES1

Solve each inequality.

1)  $x + 5 < 6$

2)  $9x \geq 3$

3)  $x - 2 > 4$

4)  $\frac{x}{9} \leq 1$

5)  $10 + x > 17$

6)  $8x < 6$

7)  $x - 10 \geq 2$

8)  $\frac{x}{4} < 5$

9)  $x + 11 \leq 16$

10)  $9x > 12$

11)  $x - 15 \leq 1$

12)  $\frac{x}{3} \geq 7$

Name : \_\_\_\_\_

Score : \_\_\_\_\_

## Solving One-Step Inequalities

ES2

Solve each inequality.

1)  $x - 9 \geq 8$

2)  $\frac{x}{5} < 2$

3)  $x + 11 > 15$

4)  $4x \leq 10$

5)  $x - 7 > 13$

6)  $\frac{x}{3} < 6$

7)  $16 + x \geq 18$

8)  $8x < 12$

9)  $x - 2 \leq 5$

10)  $\frac{x}{4} > 3$

11)  $x + 3 \leq 16$

12)  $6x < 14$

**Solving One-Step Inequalities**

ES3

Solve each inequality.

1)  $\frac{x}{3} \leq 4$

2)  $x - 1 > 5$

3)  $6x \leq 10$

4)  $x + 8 < 11$

5)  $\frac{x}{2} \geq 7$

6)  $x - 3 > 12$

7)  $14x \leq 2$

8)  $9 + x < 16$

9)  $\frac{x}{5} \geq 1$

10)  $x - 4 > 6$

11)  $18x \leq 3$

12)  $x + 7 < 15$

**Solving One-Step Inequalities**

ES4

Solve each inequality.

1)  $6x < 15$

2)  $x + 1 \geq 10$

3)  $x - 6 \leq 1$

4)  $x - 8 \geq 2$

5)  $\frac{x}{4} < 4$

6)  $7 + x \leq 11$

7)  $x + 13 > 19$

8)  $2x > 8$

9)  $\frac{x}{9} \geq 2$

10)  $\frac{x}{6} \leq 3$

11)  $x - 12 < 7$

12)  $10x \geq 18$

**Solving One-Step Inequalities**

ES5

Solve each inequality.

1)  $18 + x \geq 20$

2)  $x - 5 \leq 3$

3)  $\frac{x}{2} \geq 4$

4)  $x - 7 < 15$

5)  $3x > 9$

6)  $x + 5 < 13$

7)  $\frac{x}{7} > 2$

8)  $x + 15 \leq 18$

9)  $8x \geq 14$

10)  $12x \leq 20$

11)  $\frac{x}{8} \leq 1$

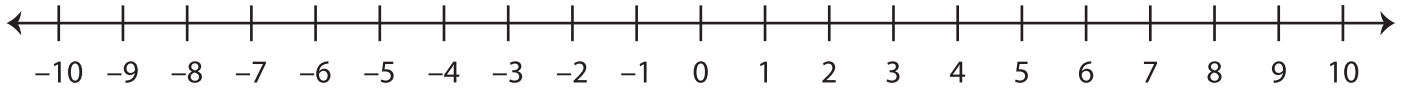
12)  $x - 19 \geq 2$

**Number Line - Integers**

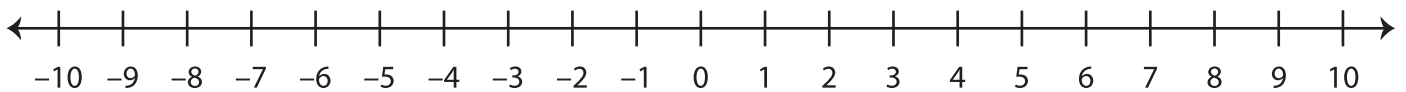
ES1

A) Mark the integers on the number line.

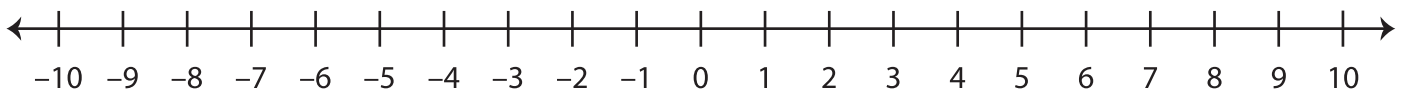
- 1) a) -2    b) 7    c) -5    d) 1



- 2) a) 9    b) -4    c) 3    d) -8



B) Answer the questions using the number line below.



1) 2 units to the left of 3 is \_\_\_\_\_

2) 6 units to the right of -1 is \_\_\_\_\_

3) 4 units to the left of -4 is \_\_\_\_\_

4) 3 units to the right of 7 is \_\_\_\_\_

5) 1 unit to the left of 10 is \_\_\_\_\_

6) 5 units to the right of -6 is \_\_\_\_\_

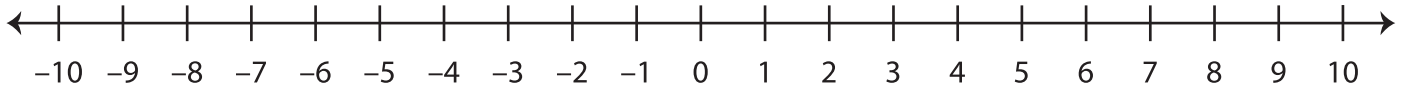
7) 8 units to the left of 5 is \_\_\_\_\_

**Number Line - Integers**

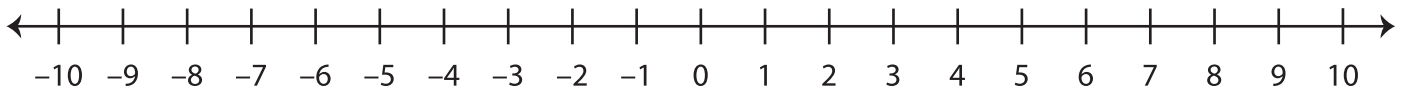
ES2

A) Mark the integers on the number line.

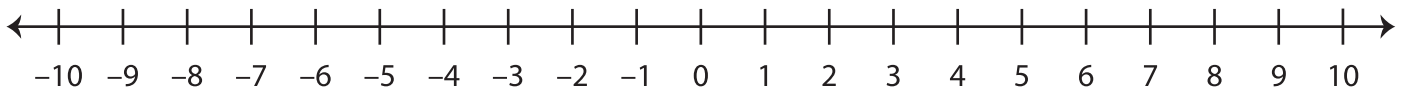
- 1) a) 4      b) -6      c) 3      d) -10



- 2) a) -1      b) 8      c) -7      d) 5



B) Answer the questions using the number line below.



1) 5 units to the right of -5 is \_\_\_\_\_

2) 9 units to the right of -8 is \_\_\_\_\_

3) 7 units to the left of 1 is \_\_\_\_\_

4) 10 units to the left of 3 is \_\_\_\_\_

5) 4 units to the right of 2 is \_\_\_\_\_

6) 2 units to the right of -7 is \_\_\_\_\_

7) 3 units to the left of -6 is \_\_\_\_\_

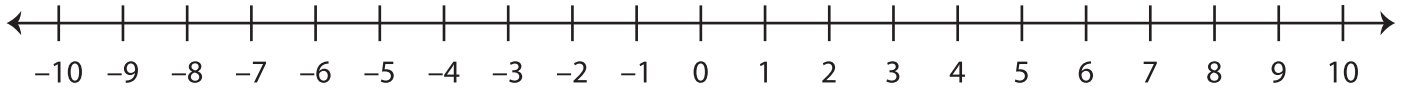


**Number Line - Integers**

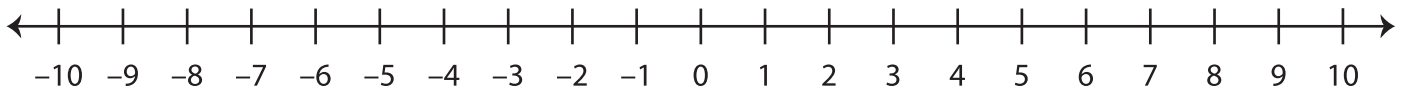
ES3

A) Mark the integers on the number line.

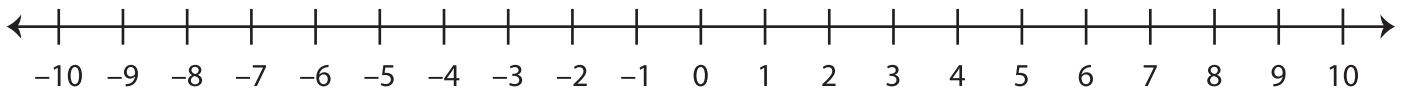
1) a) 10    b) -9    c) -3    d) 6



2) a) -5    b) 4    c) 7    d) -6



B) Answer the questions using the number line below.



1) 10 units to the right of -1 is \_\_\_\_\_

2) 4 units to the left of -6 is \_\_\_\_\_

3) 2 units to the right of 3 is \_\_\_\_\_

4) 5 units to the left of 0 is \_\_\_\_\_

5) 8 units to the right of -2 is \_\_\_\_\_

6) 9 units to the left of 7 is \_\_\_\_\_

7) 1 unit to the right of -5 is \_\_\_\_\_

Name : \_\_\_\_\_

## Least Common Multiple

Sheet 1

Find the least common multiple for each pair of numbers.

1) 6, 9

Multiples of 6 : \_\_\_\_\_

Multiples of 9 : \_\_\_\_\_

LCM(6, 9) = \_\_\_\_\_

2) 12, 36

Multiples of 12 : \_\_\_\_\_

Multiples of 36 : \_\_\_\_\_

LCM(12, 36) = \_\_\_\_\_

3) 2, 3

Multiples of 2 : \_\_\_\_\_

Multiples of 3 : \_\_\_\_\_

LCM(2, 3) = \_\_\_\_\_

4) 20, 4

Multiples of 20 : \_\_\_\_\_

Multiples of 4 : \_\_\_\_\_

LCM(20, 4) = \_\_\_\_\_

5) 10, 5

Multiples of 10 : \_\_\_\_\_

Multiples of 5 : \_\_\_\_\_

LCM(10, 5) = \_\_\_\_\_

Name : \_\_\_\_\_

## Least Common Multiple

Sheet 2

Find the least common multiple for each pair of numbers.

1) 4, 12

Multiples of 4 : \_\_\_\_\_

Multiples of 12 : \_\_\_\_\_

LCM(4, 12) = \_\_\_\_\_

2) 18, 24

Multiples of 18 : \_\_\_\_\_

Multiples of 24 : \_\_\_\_\_

LCM(18, 24) = \_\_\_\_\_

3) 3, 9

Multiples of 3 : \_\_\_\_\_

Multiples of 9 : \_\_\_\_\_

LCM(3, 9) = \_\_\_\_\_

4) 21, 28

Multiples of 21 : \_\_\_\_\_

Multiples of 28 : \_\_\_\_\_

LCM(21, 28) = \_\_\_\_\_

5) 45, 27

Multiples of 45 : \_\_\_\_\_

Multiples of 27 : \_\_\_\_\_

LCM(45, 27) = \_\_\_\_\_

Name : \_\_\_\_\_

## Least Common Multiple

Sheet 3

Find the least common multiple for each pair of numbers.

1) 9, 27

Multiples of 9 : \_\_\_\_\_

Multiples of 27 : \_\_\_\_\_

LCM(9, 27) = \_\_\_\_\_

2) 8, 5

Multiples of 8 : \_\_\_\_\_

Multiples of 5 : \_\_\_\_\_

LCM(8, 5) = \_\_\_\_\_

3) 6, 4

Multiples of 6 : \_\_\_\_\_

Multiples of 4 : \_\_\_\_\_

LCM(6, 4) = \_\_\_\_\_

4) 66, 22

Multiples of 66 : \_\_\_\_\_

Multiples of 22 : \_\_\_\_\_

LCM(66, 22) = \_\_\_\_\_

5) 12, 3

Multiples of 12 : \_\_\_\_\_

Multiples of 3 : \_\_\_\_\_

LCM(12, 3) = \_\_\_\_\_

**Value of the Digit**

Sheet 1

1) Write down the place value of 7 in each of these numbers.

a) 78.924531 \_\_\_\_\_ b) 241.35708 \_\_\_\_\_

c) 9.7102 \_\_\_\_\_ d) 54.63817 \_\_\_\_\_

2) Write down the place value of 3 in each of these numbers.

a) 3.59216 \_\_\_\_\_ b) 47.2603 \_\_\_\_\_

c) 509.683 \_\_\_\_\_ d) 81.437659 \_\_\_\_\_

3) Write down the place value of 6 in each of these numbers.

a) 750.421836 \_\_\_\_\_ b) 3.189267 \_\_\_\_\_

c) 6.27 \_\_\_\_\_ d) 49.53768 \_\_\_\_\_

4) Write down the place value of 1 in each of these numbers.

a) 278.15346 \_\_\_\_\_ b) 9.367218 \_\_\_\_\_

c) 352.901 \_\_\_\_\_ d) 61.5429 \_\_\_\_\_

5) Write down the place value of 4 in each of these numbers.

a) 2.195624 \_\_\_\_\_ b) 38.403186 \_\_\_\_\_

c) 13.82745 \_\_\_\_\_ d) 479.65 \_\_\_\_\_

6) Write down the place value of 8 in each of these numbers.

a) 9.725418 \_\_\_\_\_ b) 28.5409 \_\_\_\_\_

c) 463.187 \_\_\_\_\_ d) 1.4538 \_\_\_\_\_

**Value of the Digit**

Sheet 2

1) Write down the place value of 4 in each of these numbers.

a) 7.5401 \_\_\_\_\_ b) 90.628374 \_\_\_\_\_

c) 413.952 \_\_\_\_\_ d) 5.30942 \_\_\_\_\_

2) Write down the place value of 5 in each of these numbers.

a) 39.726415 \_\_\_\_\_ b) 601.0352 \_\_\_\_\_

c) 7.81495 \_\_\_\_\_ d) 5.972138 \_\_\_\_\_

3) Write down the place value of 9 in each of these numbers.

a) 4.98501 \_\_\_\_\_ b) 220.671398 \_\_\_\_\_

c) 13.8965 \_\_\_\_\_ d) 97.143625 \_\_\_\_\_

4) Write down the place value of 3 in each of these numbers.

a) 47.095263 \_\_\_\_\_ b) 3.841905 \_\_\_\_\_

c) 861.5573 \_\_\_\_\_ d) 9.326 \_\_\_\_\_

5) Write down the place value of 7 in each of these numbers.

a) 103.2679 \_\_\_\_\_ b) 49.352674 \_\_\_\_\_

c) 8.97142 \_\_\_\_\_ d) 71.54829 \_\_\_\_\_

6) Write down the place value of 1 in each of these numbers.

a) 5.901 \_\_\_\_\_ b) 8.423719 \_\_\_\_\_

c) 91.056283 \_\_\_\_\_ d) 602.1389 \_\_\_\_\_

**Value of the Digit**

Sheet 3

1) Write down the place value of 6 in each of these numbers.

a) 5.46231 \_\_\_\_\_ b) 206.859 \_\_\_\_\_

c) 48.675132 \_\_\_\_\_ d) 1.2486 \_\_\_\_\_

2) Write down the place value of 5 in each of these numbers.

a) 67.3152 \_\_\_\_\_ b) 684.950361 \_\_\_\_\_

c) 5.86219 \_\_\_\_\_ d) 79.3815 \_\_\_\_\_

3) Write down the place value of 1 in each of these numbers.

a) 104.520 \_\_\_\_\_ b) 63.1847 \_\_\_\_\_

c) 2.41793 \_\_\_\_\_ d) 7.098216 \_\_\_\_\_

4) Write down the place value of 4 in each of these numbers.

a) 1.26374 \_\_\_\_\_ b) 39.421867 \_\_\_\_\_

c) 46.175 \_\_\_\_\_ d) 502.1480 \_\_\_\_\_

5) Write down the place value of 9 in each of these numbers.

a) 6.053279 \_\_\_\_\_ b) 32.76948 \_\_\_\_\_

c) 7.9185 \_\_\_\_\_ d) 509.837 \_\_\_\_\_

6) Write down the place value of 3 in each of these numbers.

a) 59.1473 \_\_\_\_\_ b) 8.351 \_\_\_\_\_

c) 302.98650 \_\_\_\_\_ d) 1.093245 \_\_\_\_\_

**Value of the Digit**

Sheet 4

1) Write down the place value of 1 in each of these numbers.

a) 403.7981 \_\_\_\_\_ b) 46.307251 \_\_\_\_\_

c) 1.253684 \_\_\_\_\_ d) 24.81593 \_\_\_\_\_

2) Write down the place value of 5 in each of these numbers.

a) 41.07253 \_\_\_\_\_ b) 853.4612 \_\_\_\_\_

c) 9.134856 \_\_\_\_\_ d) 3.596 \_\_\_\_\_

3) Write down the place value of 9 in each of these numbers.

a) 5.328419 \_\_\_\_\_ b) 12.8956 \_\_\_\_\_

c) 1.53978 \_\_\_\_\_ d) 901.763 \_\_\_\_\_

4) Write down the place value of 2 in each of these numbers.

a) 29.30617 \_\_\_\_\_ b) 1.759423 \_\_\_\_\_

c) 798.2431 \_\_\_\_\_ d) 5.362 \_\_\_\_\_

5) Write down the place value of 4 in each of these numbers.

a) 403.691 \_\_\_\_\_ b) 81.3475 \_\_\_\_\_

c) 5.862714 \_\_\_\_\_ d) 19.25043 \_\_\_\_\_

6) Write down the place value of 6 in each of these numbers.

a) 5.382167 \_\_\_\_\_ b) 2.61794 \_\_\_\_\_

c) 30.5682 \_\_\_\_\_ d) 756.293 \_\_\_\_\_



**Value of the Digit**

Sheet 5

1) Write down the place value of 2 in each of these numbers.

a) 38.250 \_\_\_\_\_ b) 9.4267 \_\_\_\_\_

c) 81.77692 \_\_\_\_\_ d) 702.578346 \_\_\_\_\_

2) Write down the place value of 6 in each of these numbers.

a) 6.2749 \_\_\_\_\_ b) 17.59368 \_\_\_\_\_

c) 209.768 \_\_\_\_\_ d) 4.810276 \_\_\_\_\_

3) Write down the place value of 3 in each of these numbers.

a) 304.2961 \_\_\_\_\_ b) 1.342 \_\_\_\_\_

c) 98.567432 \_\_\_\_\_ d) 46.28359 \_\_\_\_\_

4) Write down the place value of 7 in each of these numbers.

a) 1.048967 \_\_\_\_\_ b) 674.5832 \_\_\_\_\_

c) 20.176 \_\_\_\_\_ d) 4.85179 \_\_\_\_\_

5) Write down the place value of 5 in each of these numbers.

a) 9.1532 \_\_\_\_\_ b) 62.849153 \_\_\_\_\_

c) 285.3079 \_\_\_\_\_ d) 340.73581 \_\_\_\_\_

6) Write down the place value of 8 in each of these numbers.

a) 85.26907 \_\_\_\_\_ b) 1.8036 \_\_\_\_\_

c) 52.079168 \_\_\_\_\_ d) 416.982 \_\_\_\_\_

Name: \_\_\_\_\_

## Multiplying Mixed Numbers and Fractions

Sheet 1

Find the product.

1)  $1\frac{1}{15} \times \frac{5}{8}$

\_\_\_\_\_

2)  $\frac{1}{2} \times 4\frac{1}{2}$

\_\_\_\_\_

3)  $1\frac{1}{9} \times \frac{17}{10}$

\_\_\_\_\_

4)  $\frac{5}{16} \times 2\frac{3}{10}$

\_\_\_\_\_

5)  $\frac{14}{19} \times 2\frac{5}{7}$

\_\_\_\_\_

6)  $2\frac{1}{3} \times \frac{8}{7}$

\_\_\_\_\_

7)  $3\frac{9}{11} \times \frac{20}{21}$

\_\_\_\_\_

8)  $\frac{4}{3} \times 8\frac{3}{18}$

\_\_\_\_\_

Name: \_\_\_\_\_

## Multiplying Mixed Numbers and Fractions

Sheet 2

Find the product.

1)  $5\frac{3}{5} \times \frac{7}{4}$

\_\_\_\_\_

2)  $\frac{1}{16} \times 1\frac{7}{9}$

\_\_\_\_\_

3)  $\frac{11}{24} \times 2\frac{6}{11}$

\_\_\_\_\_

4)  $\frac{9}{7} \times 4\frac{2}{3}$

\_\_\_\_\_

5)  $2\frac{7}{16} \times \frac{14}{13}$

\_\_\_\_\_

6)  $4\frac{4}{5} \times \frac{10}{16}$

\_\_\_\_\_

7)  $\frac{5}{19} \times 2\frac{8}{15}$

\_\_\_\_\_

8)  $3\frac{3}{13} \times \frac{8}{7}$

\_\_\_\_\_

Name: \_\_\_\_\_

## Multiplying Mixed Numbers and Fractions

Sheet 3

Find the product.

1)  $\frac{8}{9} \times 2\frac{15}{16}$

\_\_\_\_\_

2)  $2\frac{7}{10} \times \frac{1}{3}$

\_\_\_\_\_

3)  $\frac{5}{4} \times 2\frac{6}{9}$

\_\_\_\_\_

4)  $6\frac{2}{3} \times \frac{11}{5}$

\_\_\_\_\_

5)  $\frac{3}{4} \times 4\frac{7}{12}$

\_\_\_\_\_

6)  $\frac{3}{11} \times 2\frac{4}{9}$

\_\_\_\_\_

7)  $2\frac{4}{6} \times \frac{5}{2}$

\_\_\_\_\_

8)  $2\frac{2}{3} \times \frac{3}{4}$

\_\_\_\_\_

Name: \_\_\_\_\_

## Multiplying Mixed Numbers and Fractions

Sheet 4

Find the product.

1)  $8\frac{3}{4} \times \frac{18}{5}$

\_\_\_\_\_

2)  $\frac{12}{19} \times 9\frac{3}{6}$

\_\_\_\_\_

3)  $\frac{15}{11} \times 7\frac{1}{3}$

\_\_\_\_\_

4)  $6\frac{2}{4} \times \frac{1}{7}$

\_\_\_\_\_

5)  $\frac{6}{7} \times 5\frac{2}{8}$

\_\_\_\_\_

6)  $2\frac{4}{5} \times \frac{10}{3}$

\_\_\_\_\_

7)  $4\frac{3}{5} \times \frac{5}{6}$

\_\_\_\_\_

8)  $\frac{3}{2} \times 3\frac{1}{11}$

\_\_\_\_\_

Name: \_\_\_\_\_

## Multiplying Mixed Numbers and Fractions

Sheet 5

Find the product.

1)  $\frac{22}{3} \times 5\frac{1}{4}$

\_\_\_\_\_

2)  $1\frac{1}{8} \times \frac{2}{15}$

\_\_\_\_\_

3)  $3\frac{5}{9} \times \frac{6}{8}$

\_\_\_\_\_

4)  $\frac{12}{8} \times 8\frac{1}{2}$

\_\_\_\_\_

5)  $\frac{5}{18} \times 2\frac{10}{13}$

\_\_\_\_\_

6)  $4\frac{1}{2} \times \frac{8}{9}$

\_\_\_\_\_

7)  $11\frac{2}{3} \times \frac{6}{5}$

\_\_\_\_\_

8)  $\frac{10}{6} \times 6\frac{1}{2}$


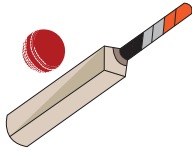



\_\_\_\_\_

Name : \_\_\_\_\_

## Favourite Sport

Sheet 1

A survey was conducted among university students to find their favourite games. Read the data provided in the pictogram below and answer the questions that follow:

Volleyball	Cricket	Football	Tennis	Basketball
				
<b>660</b>	<b>1728</b>	<b>672</b>	<b>1662</b>	<b>1236</b>

1) Find the ratio of students who like cricket to the students who like tennis.

\_\_\_\_\_

2) What is the ratio of the most preferred game to the least preferred game among the university students?

\_\_\_\_\_

3) Identify the games preferred by the university students in the ratio of 55 : 56.

\_\_\_\_\_

4) Find the ratio of the least favorite sport to all the other sports.

\_\_\_\_\_

5) Compare the ratio of students who like basketball to those who prefer football.

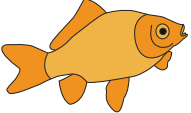


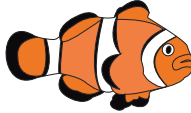

\_\_\_\_\_

Name : \_\_\_\_\_

## Aquarium Fish

Sheet 2

The data represented in the pictogram below displays a variety of aquarium fish sold in one month. Read the data and answer the questions that follow:

Goldfish	Angelfish	Regal Tangs	Clownfish	Starfish
				
880	126	333	252	672

- 1) Find the ratio of the number of starfish sold to the number of goldfish sold.

\_\_\_\_\_

- 2) Which two varieties of aquarium fish were sold in the ratio of 2 : 1?

\_\_\_\_\_

- 3) Compare the ratio of regal tangs and starfish sold to the ratio of goldfish that was sold.

\_\_\_\_\_

- 4) What is the ratio of the least number of aquarium fish sold to the highest number of aquarium fish sold? Identify the varieties.

\_\_\_\_\_

- 5) Find the ratio of clownfish sold to all the other varieties of aquarium fish that were sold.

\_\_\_\_\_

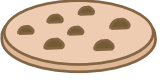

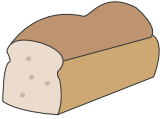




Name : \_\_\_\_\_

## Choco Chips Bakery

Sheet 3

The data provided below indicates the sales of a variety of confectioneries over the weekend at La Munchkinierre. Read the data and answer the questions that follow.

Cookies	Brownies	Bread	Doughnuts	Muffins
				
<b>622</b>	<b>524</b>	<b>248</b>	<b>311</b>	<b>496</b>

1) What is the ratio of brownies to doughnuts ?

\_\_\_\_\_

2) Which two bakery items were sold in the ratio of 1 : 2?

\_\_\_\_\_

3) Compare the ratio of the cookies sold to all the other bakery items that were sold.

\_\_\_\_\_

4) Find the ratio of the most number of bakery items sold to the least number of items that were sold over the weekend.

\_\_\_\_\_

5) Can you spot any other equivalent ratios displayed in the data presented, other than the ratio of bread to muffins?

\_\_\_\_\_

Name: \_\_\_\_\_

## Division

Sheet 1

1)  $21 \overline{) 78,660}$

2)  $63 \overline{) 92,526}$

3)  $7 \overline{) 84,819}$

4)  $4 \overline{) 25,145}$

5)  $9 \overline{) 63,702}$

6)  $85 \overline{) 19,634}$

Name: \_\_\_\_\_

## Division

Sheet 2

1)

$$2 \overline{) 17,226}$$

2)

$$55 \overline{) 72,585}$$

3)

$$78 \overline{) 53,101}$$

4)

$$34 \overline{) 48,433}$$

5)

$$6 \overline{) 39,814}$$

6)

$$10 \overline{) 60,720}$$

Name : \_\_\_\_\_

## Division

Sheet 3

1)

$$47 \overline{) 48,901}$$

2)

$$8 \overline{) 91,488}$$

3)

$$16 \overline{) 35,337}$$

4)

$$5 \overline{) 56,250}$$

5)

$$92 \overline{) 23,542}$$

6)

$$3 \overline{) 87,199}$$

Name : \_\_\_\_\_

## Five-Number Summary

Level 1: S1

Write the five-number summary for each set of data.

1) 42, 58, 67, 55, 40, 69, 66, 51, 46, 48, 68

Minimum : \_\_\_\_\_

$Q_1$  : \_\_\_\_\_

$Q_2$  : \_\_\_\_\_

$Q_3$  : \_\_\_\_\_

Maximum : \_\_\_\_\_

2) 14, 11, 8, 1, 23, 20, 17, 5, 19, 10, 12, 22

Minimum : \_\_\_\_\_

$Q_1$  : \_\_\_\_\_

$Q_2$  : \_\_\_\_\_

$Q_3$  : \_\_\_\_\_

Maximum : \_\_\_\_\_

3) 107, 92, 111, 119, 99, 100, 89, 94, 125, 93

Minimum : \_\_\_\_\_

$Q_1$  : \_\_\_\_\_

$Q_2$  : \_\_\_\_\_

$Q_3$  : \_\_\_\_\_

Maximum : \_\_\_\_\_

4) 72, 60, 64, 75, 79, 63, 70, 61, 78

Minimum : \_\_\_\_\_

$Q_1$  : \_\_\_\_\_

$Q_2$  : \_\_\_\_\_

$Q_3$  : \_\_\_\_\_

Maximum : \_\_\_\_\_

5) 21, 4, 18, 9, 25, 16, 27, 30, 33, 15, 31

Minimum : \_\_\_\_\_

$Q_1$  : \_\_\_\_\_

$Q_2$  : \_\_\_\_\_

$Q_3$  : \_\_\_\_\_

Maximum : \_\_\_\_\_

6) 134, 47, 122, 113, 49, 56, 102, 93, 62

Minimum : \_\_\_\_\_

$Q_1$  : \_\_\_\_\_

$Q_2$  : \_\_\_\_\_

$Q_3$  : \_\_\_\_\_

Maximum : \_\_\_\_\_

Name : \_\_\_\_\_

## Five-Number Summary

Level 1: S2

Write the five-number summary for each set of data.

1) 122, 79, 92, 84, 105, 128, 99, 131, 74

Minimum : \_\_\_\_\_

$Q_1$  : \_\_\_\_\_

$Q_2$  : \_\_\_\_\_

$Q_3$  : \_\_\_\_\_

Maximum : \_\_\_\_\_

2) 66, 94, 82, 91, 87, 98, 80, 93, 66, 94

Minimum : \_\_\_\_\_

$Q_1$  : \_\_\_\_\_

$Q_2$  : \_\_\_\_\_

$Q_3$  : \_\_\_\_\_

Maximum : \_\_\_\_\_

3) 8, 11, 58, 32, 9, 50, 27, 10, 29, 5, 7, 22

Minimum : \_\_\_\_\_

$Q_1$  : \_\_\_\_\_

$Q_2$  : \_\_\_\_\_

$Q_3$  : \_\_\_\_\_

Maximum : \_\_\_\_\_

4) 137, 28, 36, 120, 49, 45, 65, 119

Minimum : \_\_\_\_\_

$Q_1$  : \_\_\_\_\_

$Q_2$  : \_\_\_\_\_

$Q_3$  : \_\_\_\_\_

Maximum : \_\_\_\_\_

5) 68, 93, 76, 46, 96, 72, 86, 52, 77, 68

Minimum : \_\_\_\_\_

$Q_1$  : \_\_\_\_\_

$Q_2$  : \_\_\_\_\_

$Q_3$  : \_\_\_\_\_

Maximum : \_\_\_\_\_

6) 27, 12, 3, 1, 6, 31, 34, 28, 19, 14, 23

Minimum : \_\_\_\_\_

$Q_1$  : \_\_\_\_\_

$Q_2$  : \_\_\_\_\_

$Q_3$  : \_\_\_\_\_

Maximum : \_\_\_\_\_

Name : \_\_\_\_\_

## Five-Number Summary

Level 1: S3

Write the five-number summary for each set of data.

1) 26, 19, 16, 30, 9, 7, 10, 22, 15, 31, 34, 13

Minimum : \_\_\_\_\_

$Q_1$  : \_\_\_\_\_

$Q_2$  : \_\_\_\_\_

$Q_3$  : \_\_\_\_\_

Maximum : \_\_\_\_\_

2) 76, 105, 116, 88, 76, 122, 84, 116

Minimum : \_\_\_\_\_

$Q_1$  : \_\_\_\_\_

$Q_2$  : \_\_\_\_\_

$Q_3$  : \_\_\_\_\_

Maximum : \_\_\_\_\_

3) 35, 87, 69, 39, 63, 82, 71, 90, 39

Minimum : \_\_\_\_\_

$Q_1$  : \_\_\_\_\_

$Q_2$  : \_\_\_\_\_

$Q_3$  : \_\_\_\_\_

Maximum : \_\_\_\_\_

4) 27, 4, 33, 6, 21, 47, 52, 2, 4, 24, 30

Minimum : \_\_\_\_\_

$Q_1$  : \_\_\_\_\_

$Q_2$  : \_\_\_\_\_

$Q_3$  : \_\_\_\_\_

Maximum : \_\_\_\_\_

5) 122, 160, 89, 42, 89, 115, 71, 48

Minimum : \_\_\_\_\_

$Q_1$  : \_\_\_\_\_

$Q_2$  : \_\_\_\_\_

$Q_3$  : \_\_\_\_\_

Maximum : \_\_\_\_\_

6) 37, 66, 72, 85, 81, 98, 22, 15, 10, 83

Minimum : \_\_\_\_\_

$Q_1$  : \_\_\_\_\_

$Q_2$  : \_\_\_\_\_

$Q_3$  : \_\_\_\_\_

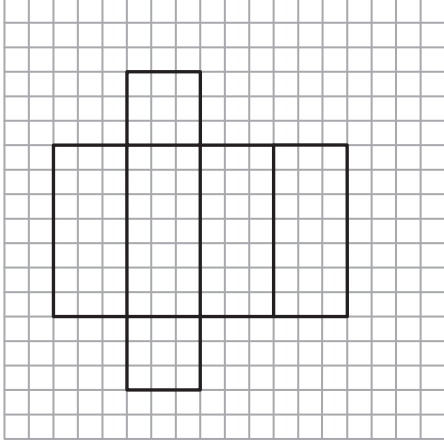
Maximum : \_\_\_\_\_

Name : \_\_\_\_\_

# Surface Area of Solids using Nets

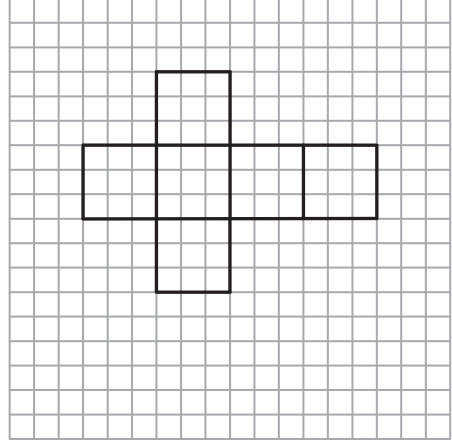
Count the unit squares, and find the surface area of the shape represented by each net.  $\square = 1 \text{ cm}^2$

1) Rectangular Prism



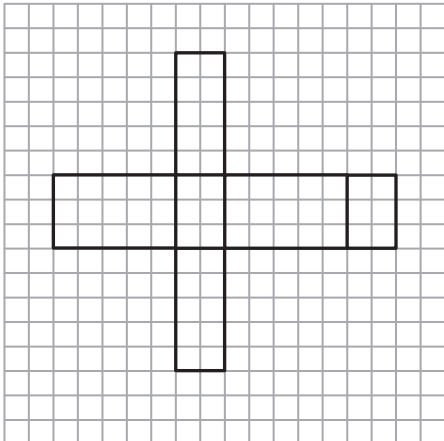
Surface Area = \_\_\_\_\_

2) Cube



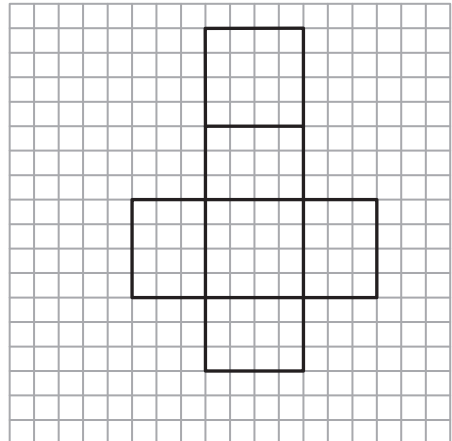
Surface Area = \_\_\_\_\_

3) Rectangular Prism



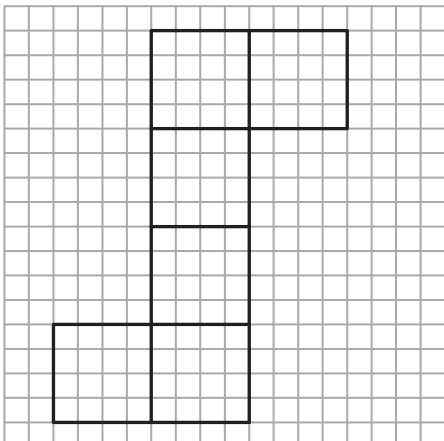
Surface Area = \_\_\_\_\_

4) Rectangular Prism



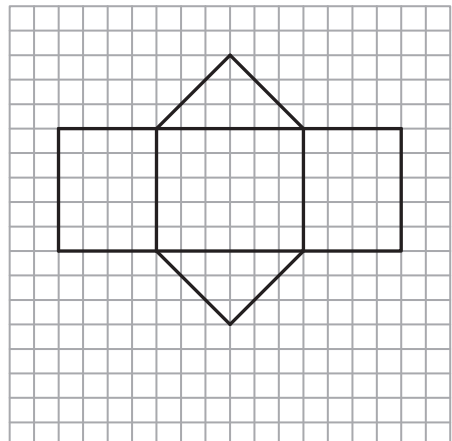
Surface Area = \_\_\_\_\_

5) Cube



Surface Area = \_\_\_\_\_

6) Triangular Prism



Surface Area = \_\_\_\_\_

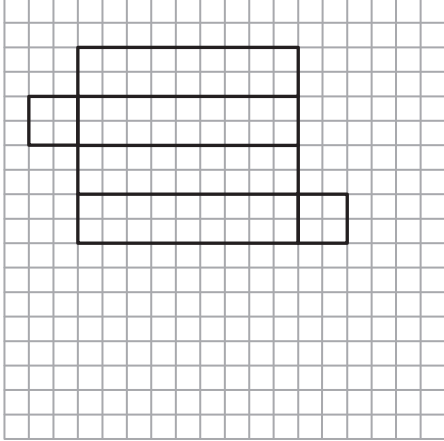


Name : \_\_\_\_\_

# Surface Area of Solids using Nets

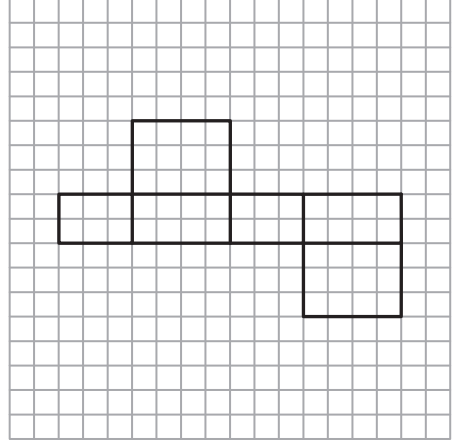
Count the unit squares, and find the surface area of the shape represented by each net.  $\square = 1 \text{ m}^2$

1) Rectangular Prism



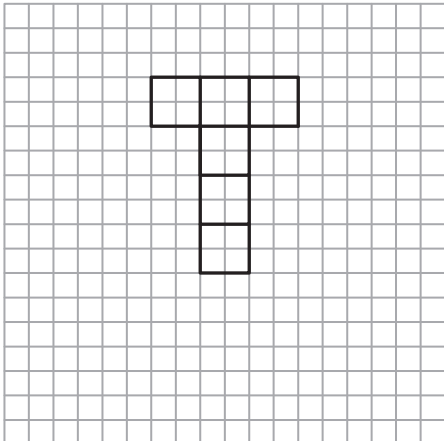
Surface Area = \_\_\_\_\_

2) Rectangular Prism



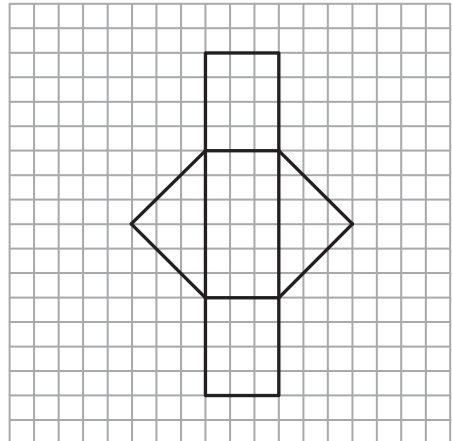
Surface Area = \_\_\_\_\_

3) Cube



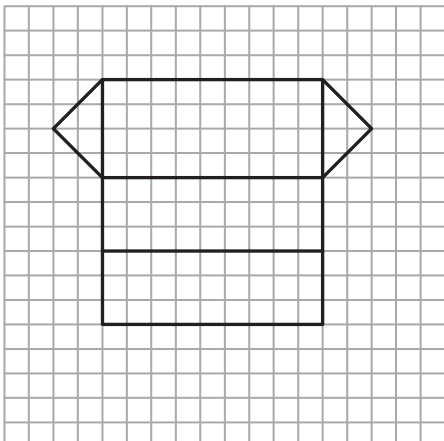
Surface Area = \_\_\_\_\_

4) Triangular Prism



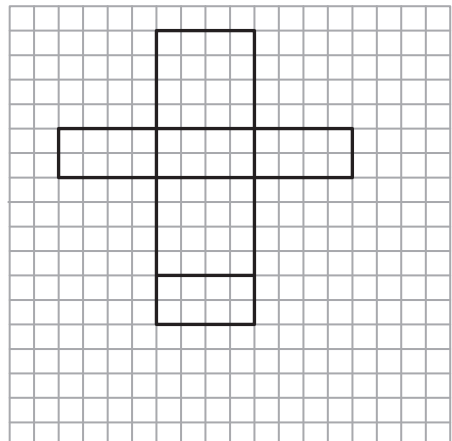
Surface Area = \_\_\_\_\_

5) Triangular Prism



Surface Area = \_\_\_\_\_

6) Rectangular Prism



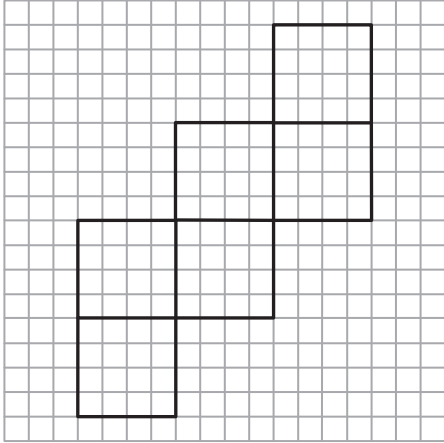
Surface Area = \_\_\_\_\_

Name : \_\_\_\_\_

# Surface Area of Solids using Nets

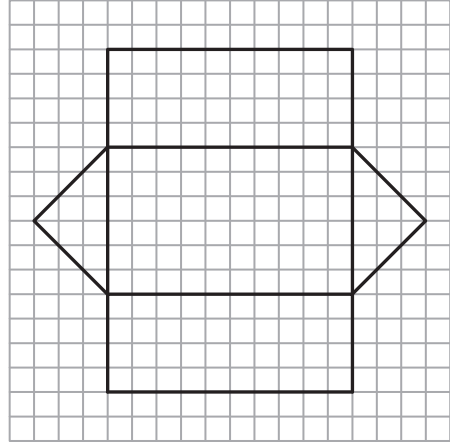
Count the unit squares, and find the surface area of the shape represented by each net.  $\square = 1 \text{ mm}^2$

1) Cube



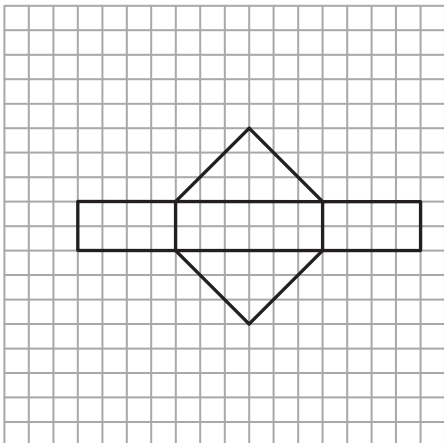
Surface Area = \_\_\_\_\_

2) Triangular Prism



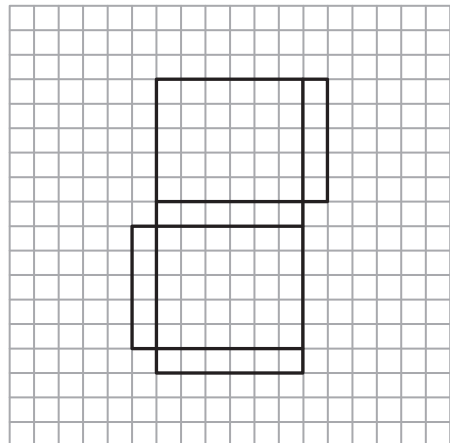
Surface Area = \_\_\_\_\_

3) Triangular Prism



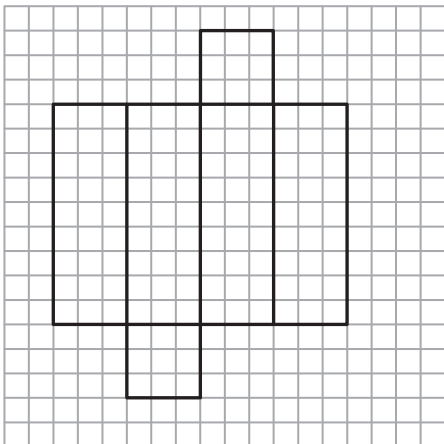
Surface Area = \_\_\_\_\_

4) Rectangular Prism



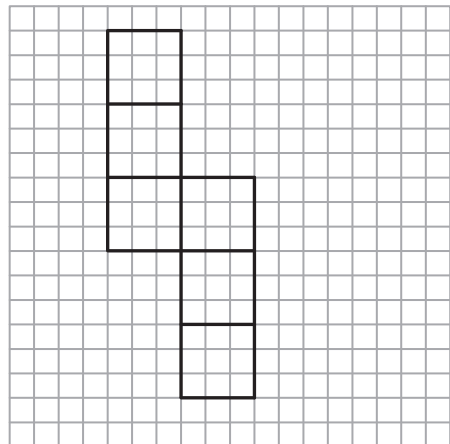
Surface Area = \_\_\_\_\_

5) Rectangular Prism



Surface Area = \_\_\_\_\_

6) Cube

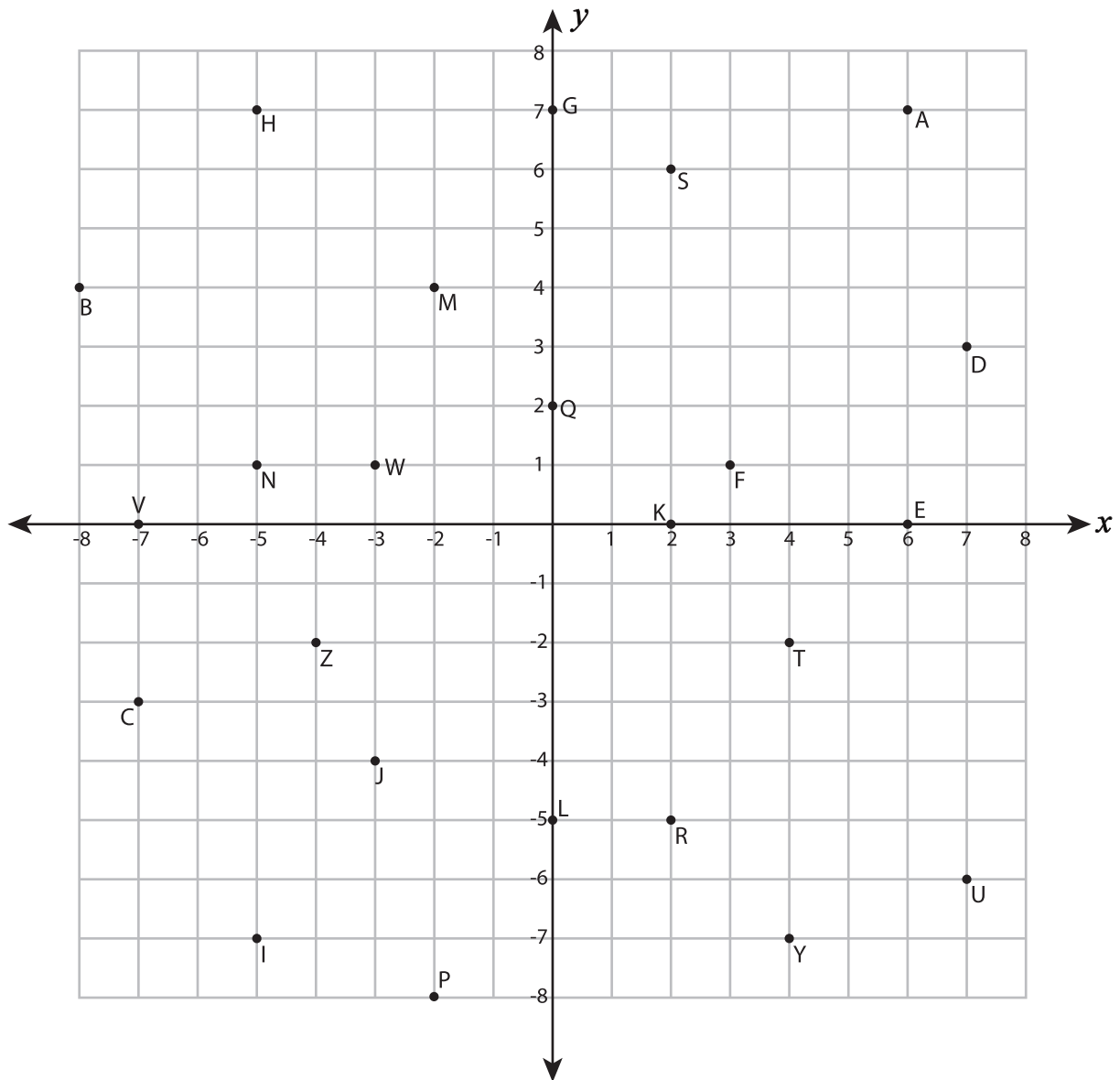


Surface Area = \_\_\_\_\_

Name : \_\_\_\_\_

## Quadrants & Axes

Grid: S1



Write the points belong to each quadrant or axis.

I - quadrant : \_\_\_\_\_

II - quadrant : \_\_\_\_\_

III - quadrant : \_\_\_\_\_

IV - quadrant : \_\_\_\_\_

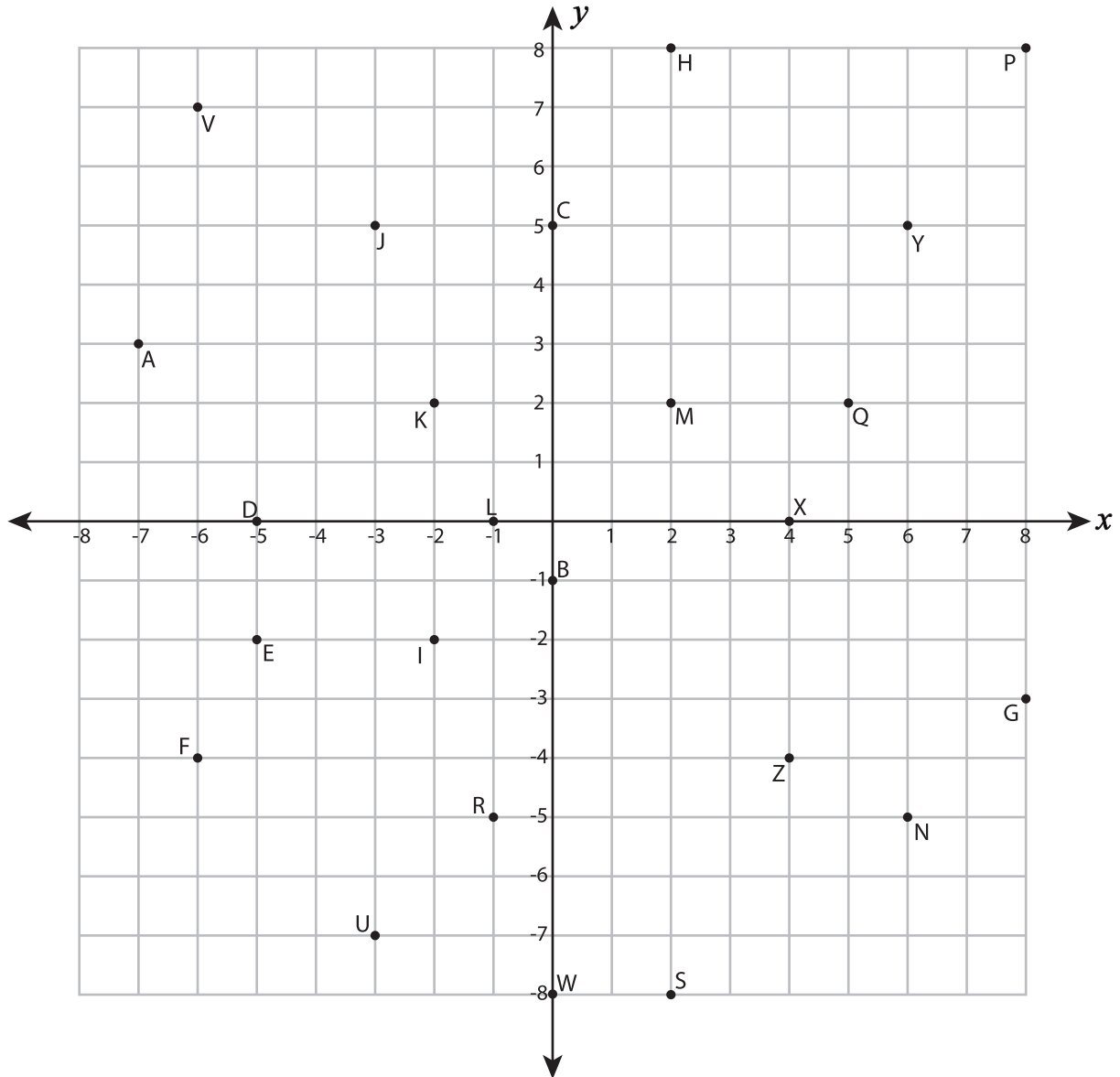
On x-axis : \_\_\_\_\_

On y-axis : \_\_\_\_\_

Name : \_\_\_\_\_

## Quadrants & Axes

Grid: S2



Write the points belong to each quadrant or axis.

I - quadrant : \_\_\_\_\_

II - quadrant : \_\_\_\_\_

III - quadrant : \_\_\_\_\_

IV - quadrant : \_\_\_\_\_

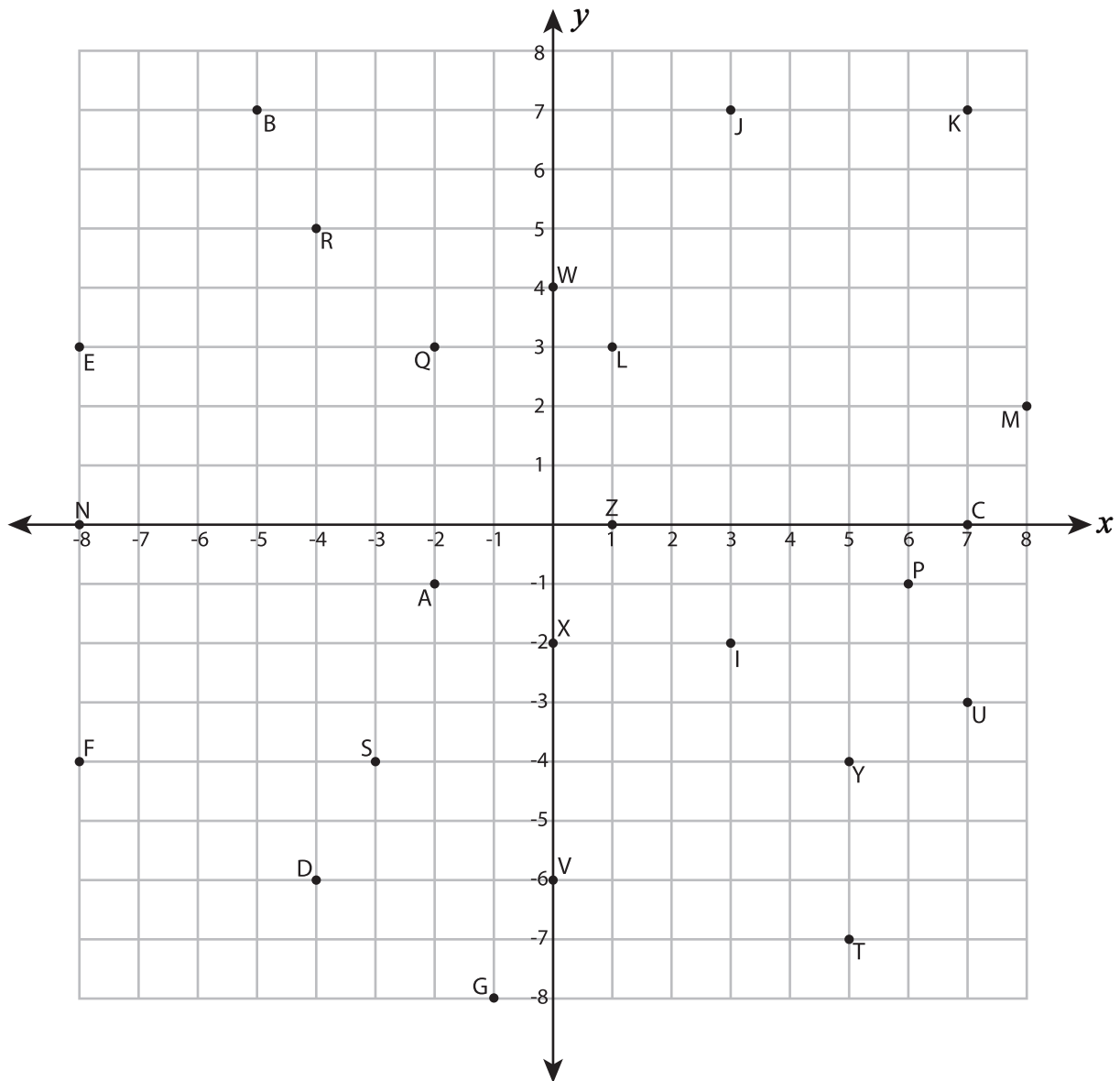
On x-axis : \_\_\_\_\_

On y-axis : \_\_\_\_\_

Name : \_\_\_\_\_

## Quadrants & Axes

Grid: S3



Write the points belong to each quadrant or axis.

I - quadrant : \_\_\_\_\_

II - quadrant : \_\_\_\_\_

III - quadrant : \_\_\_\_\_

IV - quadrant : \_\_\_\_\_

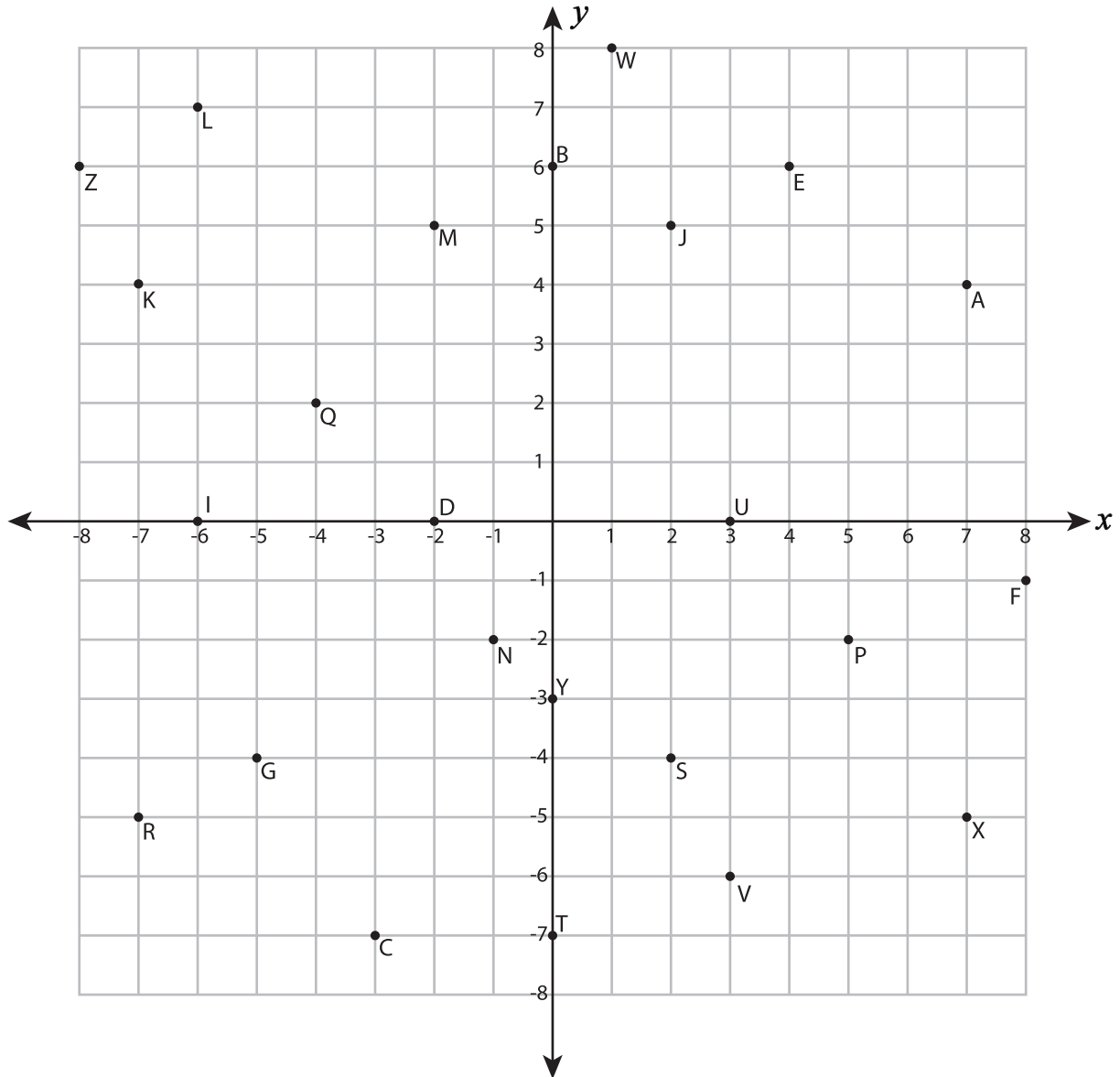
On x-axis : \_\_\_\_\_

On y-axis : \_\_\_\_\_

Name : \_\_\_\_\_

## Quadrants & Axes

Grid: S4



Write the points belong to each quadrant or axis.

I - quadrant : \_\_\_\_\_

II - quadrant : \_\_\_\_\_

III - quadrant : \_\_\_\_\_

IV - quadrant : \_\_\_\_\_

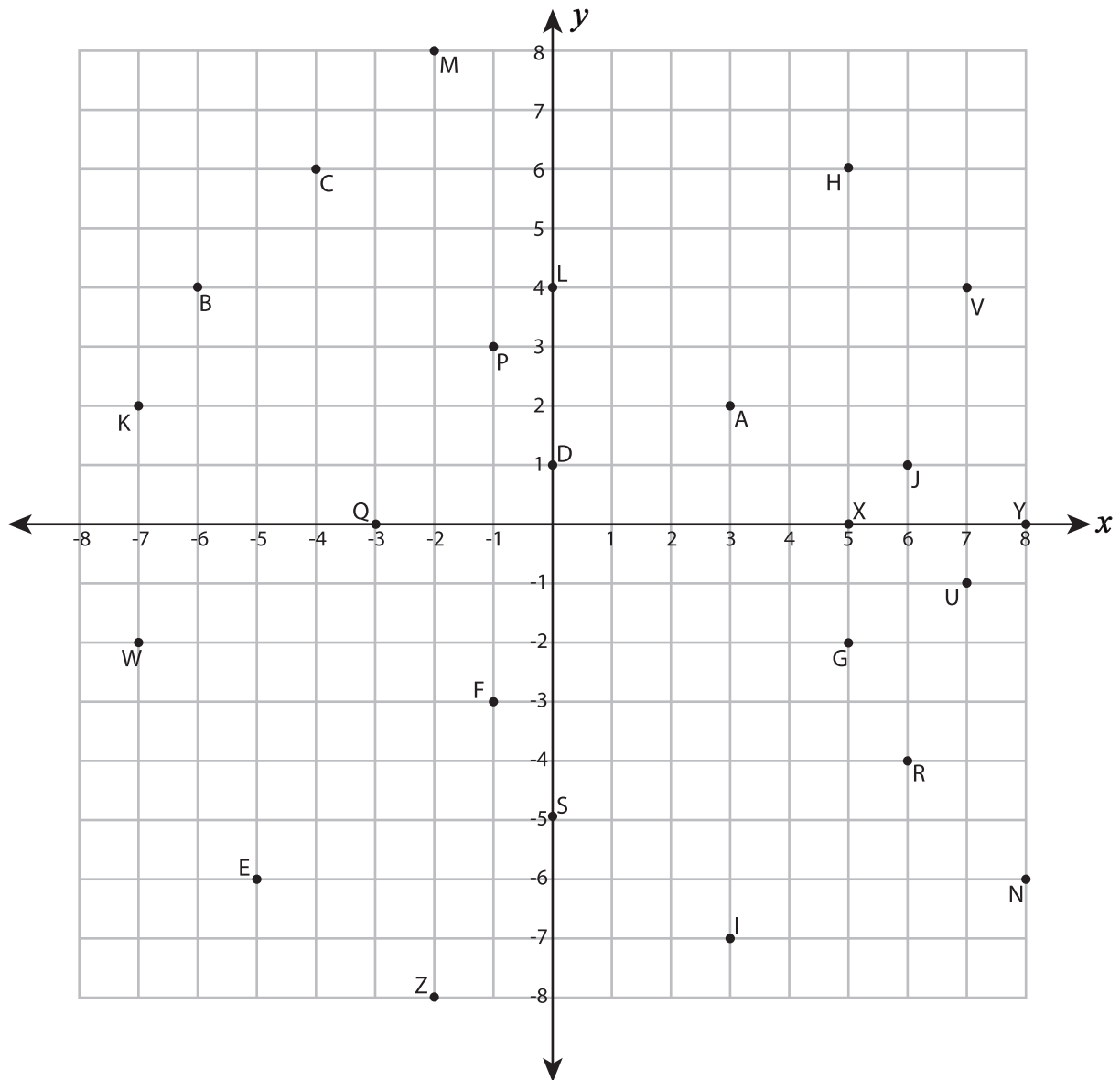
On x-axis : \_\_\_\_\_

On y-axis : \_\_\_\_\_

Name : \_\_\_\_\_

Grid: S5

### Quadrants & Axes



Write the points belong to each quadrant or axis.

I - quadrant : \_\_\_\_\_

II - quadrant : \_\_\_\_\_

III - quadrant : \_\_\_\_\_

IV - quadrant : \_\_\_\_\_

On x-axis : \_\_\_\_\_

On y-axis : \_\_\_\_\_

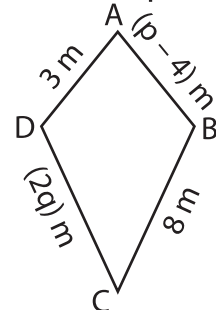
Name : \_\_\_\_\_

## One-Step Equations: Shapes

Type 2: S1

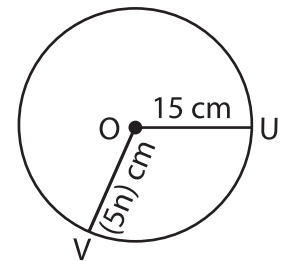
Solve each problem.

- 1) ABCD is a kite with  $AB = AD = 3$  m and  $CD = CB = 8$  m. Find the values of  $p$  and  $q$ .



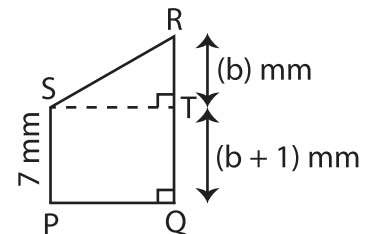
$p =$  \_\_\_\_\_       $q =$  \_\_\_\_\_

- 2) In the given circle, O is the center and OU is the radius, which measures 15 cm. Find the value of  $n$ .



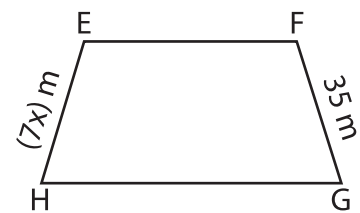
$n =$  \_\_\_\_\_

- 3) PQRS is a right trapezoid. The side PS measures 7 mm. If a perpendicular ST is drawn from the vertex S to the base QR, find the value of  $b$  and determine the length of QR.



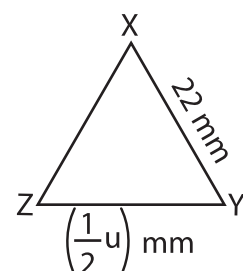
$b =$  \_\_\_\_\_       $QR =$  \_\_\_\_\_

- 4) EFGH is a isosceles trapezoid. If FG is 35 m, find  $x$ .



$x =$  \_\_\_\_\_

- 5) XYZ is an equilateral triangle, where each side measures 22 mm. Find the value of  $u$ .



$u =$  \_\_\_\_\_



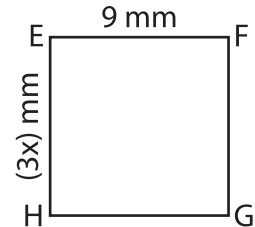
Name : \_\_\_\_\_

## One-Step Equations: Shapes

Type 2: S2

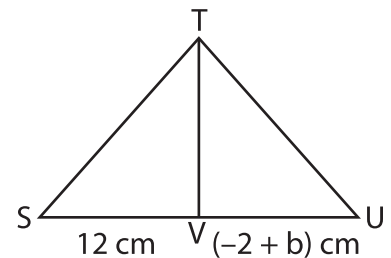
Solve each problem.

- 1) EFGH is a square. If EF is 9 mm, find the value of x.



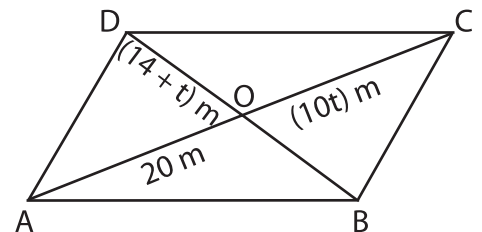
x = \_\_\_\_\_

- 2) STU is a triangle. TV is a median that bisects the side SU. If SV = 12 cm, find b.



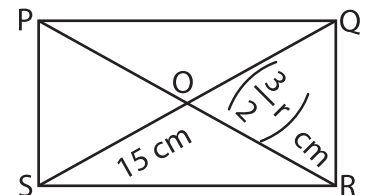
b = \_\_\_\_\_

- 3) ABCD is a parallelogram where the diagonals bisect each other with O as the center. Given that OA = 20 m, OC = (10t) m and OD = (14 + t) m. Find the value of t and determine the length of OB.



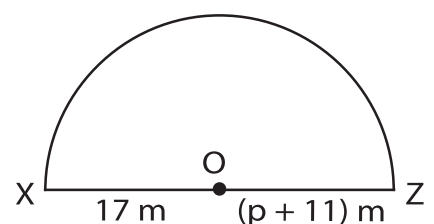
t = \_\_\_\_\_      OB = \_\_\_\_\_

- 4) PQRS is a rectangle whose diagonals are equal in length. Given that SQ = 15 cm and PR =  $(\frac{3}{2}r)$  cm, find the value of r.



r = \_\_\_\_\_

- 5) In the given semi-circle, XZ is the diameter and O is the center. If OX = 17 m, find p.



p = \_\_\_\_\_

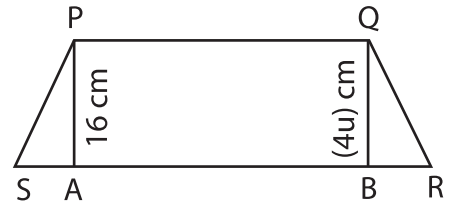
Name : \_\_\_\_\_

## One-Step Equations: Shapes

Type 2: S3

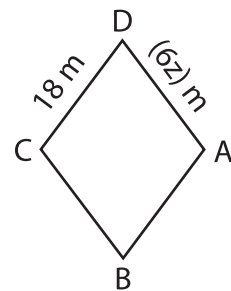
Solve each problem.

- 1) PQRS is a trapezoid where the heights PA and QB are equal. If  $PA = 16$  cm, find the value of  $u$ .



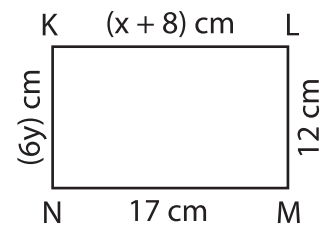
$u =$  \_\_\_\_\_

- 2) ABCD is a rhombus. If  $CD = 18$  m, find the value of  $z$ .



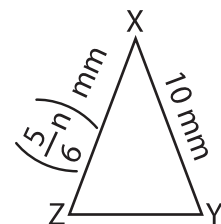
$z =$  \_\_\_\_\_

- 3) KLMN is a rectangle.  $MN = 17$  cm,  $LM = 12$  cm. Find the values of  $x$  and  $y$ .



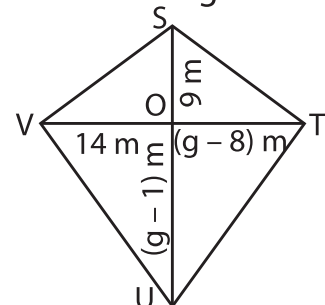
$x =$  \_\_\_\_\_       $y =$  \_\_\_\_\_

- 4) XYZ is an isosceles triangle where XY and XZ are equal. If  $XY = 10$  mm, find the value of  $n$ .



$n =$  \_\_\_\_\_

- 5) STUV is a kite where  $OT = OV$ . The length of OV is 14 m. Find the value of  $g$  and determine the length of SU.



$g =$  \_\_\_\_\_       $SU =$  \_\_\_\_\_

Name : \_\_\_\_\_

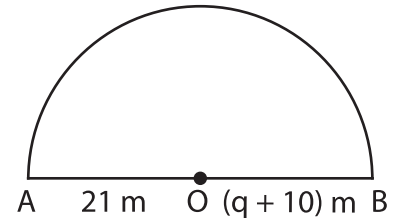
## One-Step Equations: Shapes

Type 2: S4

Solve each problem.

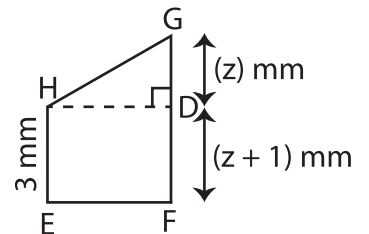
- 1) In the given semi-circle, AB is the diameter and O is the center. If  $AO = 21$  m, find  $q$ .

$q =$  \_\_\_\_\_



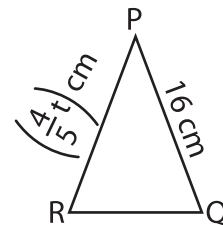
- 2) EFGH is a quadrilateral. The side EH measures 3 mm. If a perpendicular HD is drawn from the vertex H to the base FG, find the value of  $z$  and determine the length of FG.

$z =$  \_\_\_\_\_       $FG =$  \_\_\_\_\_



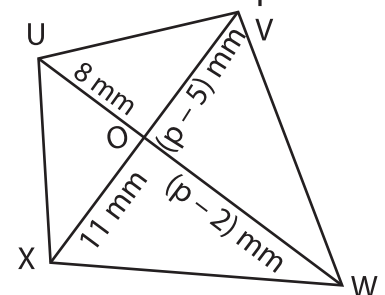
- 3) PQR is an isosceles triangle where PQ and PR are equal. If  $PQ = 16$  cm, find the value of  $t$ .

$t =$  \_\_\_\_\_



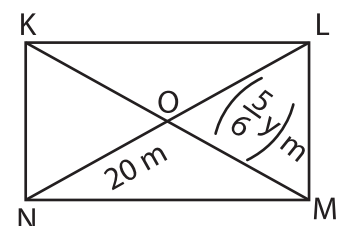
- 4) UVWX is a kite where  $OV = OX$ . The length of  $OX$  is 11 mm. Find the value of  $p$  and determine the length of  $UW$ .

$p =$  \_\_\_\_\_       $UW =$  \_\_\_\_\_



- 5) KLMN is a rectangle whose diagonals bisect each other. Given that  $LN = 20$  m and  $MK = \left(\frac{5}{6}y\right)$  m, find the value of  $y$ .

$y =$  \_\_\_\_\_



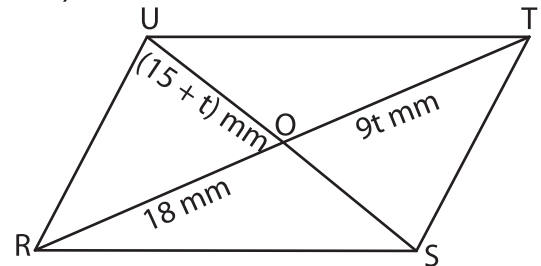
Name : \_\_\_\_\_

## One-Step Equations: Shapes

Type 2: S5

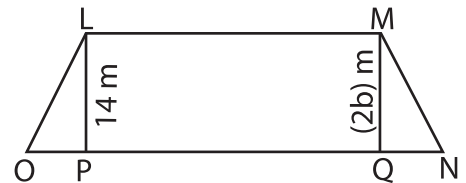
Solve each problem.

- 1) RSTU is a parallelogram where the diagonals bisect each other with O as the center. Given that  $OR = 18$  mm,  $OT = (9t)$  mm and  $OU = (15 + t)$  mm. Find the value of  $t$  and determine the length of OS.



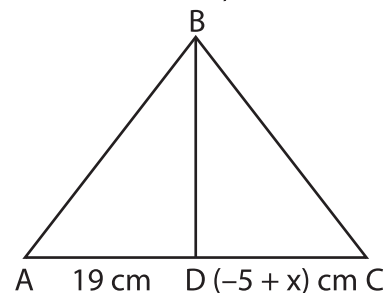
$t =$  \_\_\_\_\_       $OS =$  \_\_\_\_\_

- 2) LMNO is a trapezium where the heights LP and MQ are equal. If  $LP = 14$  m, find the value of  $b$ .



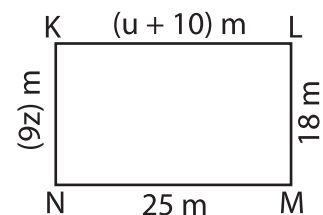
$b =$  \_\_\_\_\_

- 3) ABC is a triangle. BD is a median that bisects the side AC. If  $AD = 19$  cm, find  $x$ .



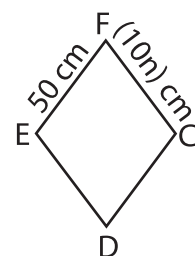
$x =$  \_\_\_\_\_

- 4) KLMN is a rectangle.  $MN = 25$  m,  $LM = 18$  m. Find the values of  $u$  and  $z$ .



$u =$  \_\_\_\_\_       $z =$  \_\_\_\_\_

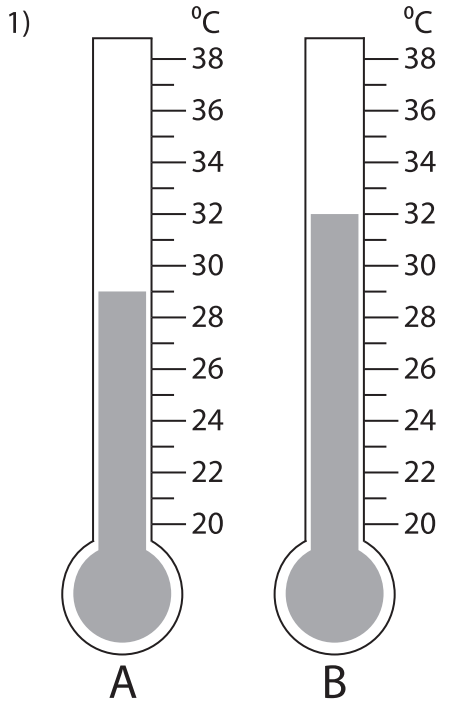
- 5) CDEF is a rhombus. If  $EF = 50$  cm, find the value of  $n$ .



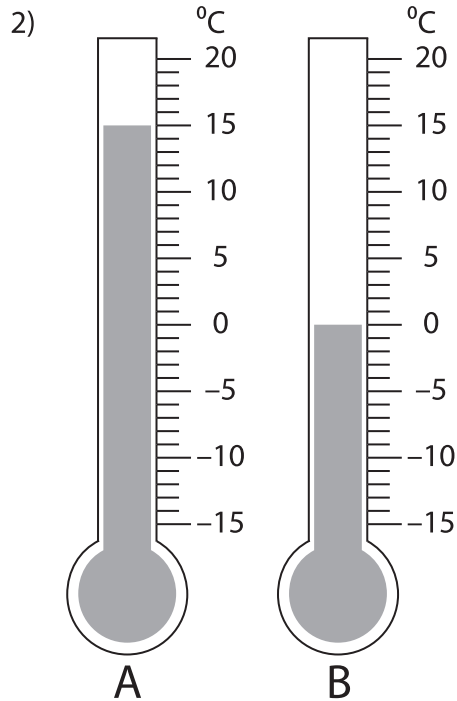
$n =$  \_\_\_\_\_

## Comparing temperatures - Thermometer

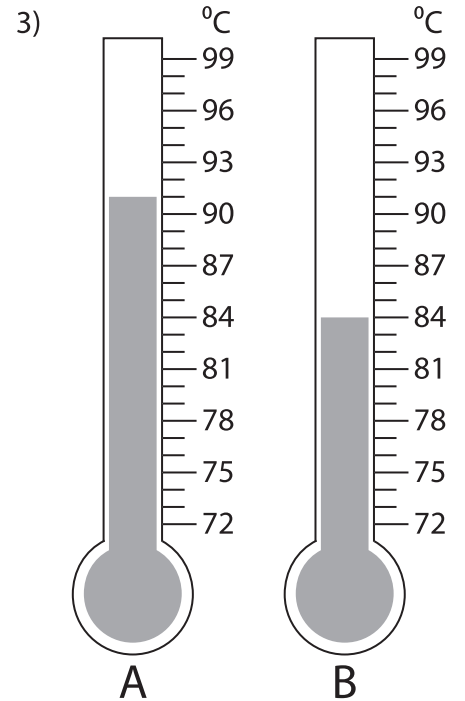
Compare each pair of thermometers and choose the correct answer.



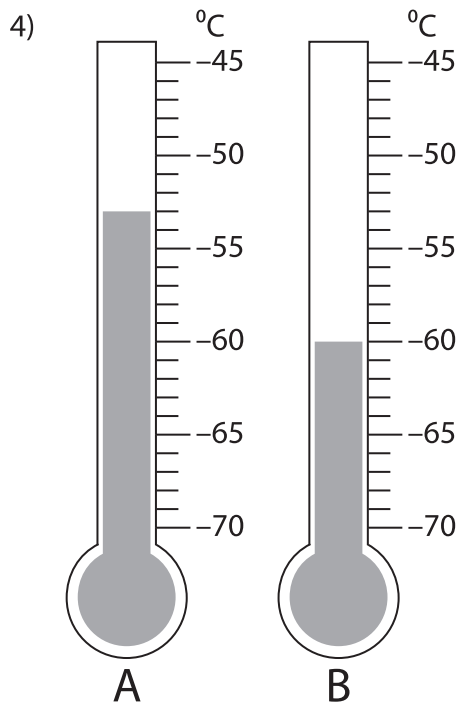
- A reads a higher temperature than B  
 A reads a lower temperature than B



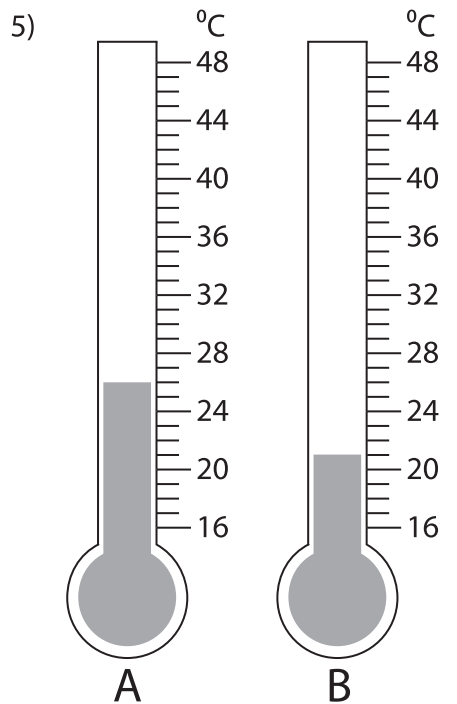
- A reads a higher temperature than B  
 B reads a higher temperature than A



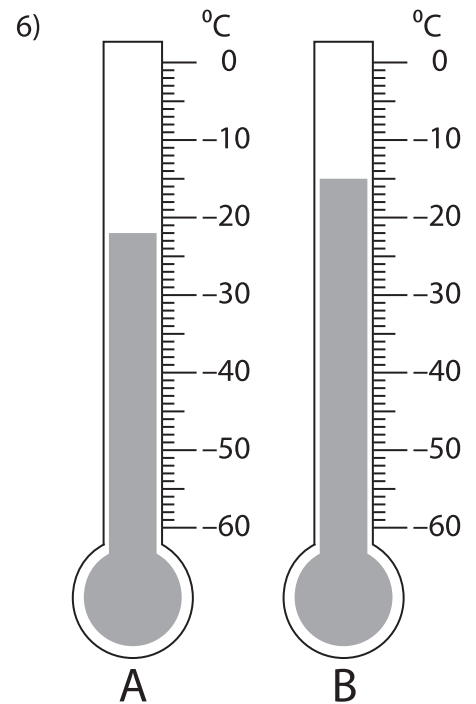
- B reads a lower temperature than A  
 A reads a lower temperature than B



- A reads a higher temperature than B  
 B reads a higher temperature than A



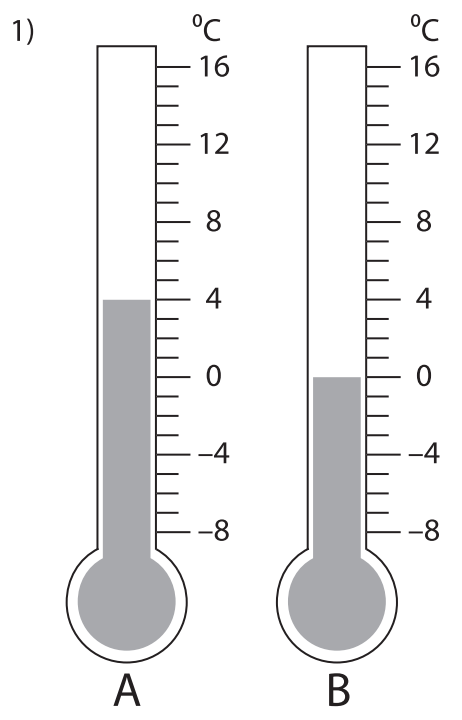
- B reads a lower temperature than A  
 A reads a lower temperature than B



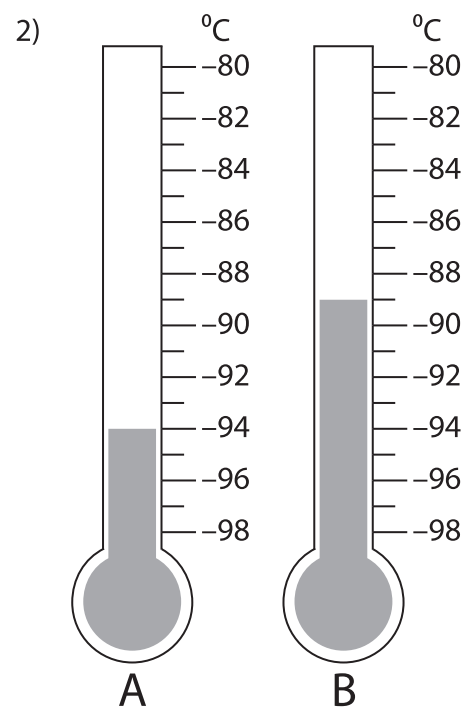
- B reads a lower temperature than A  
 B reads a higher temperature than A

# Comparing temperatures - Thermometer

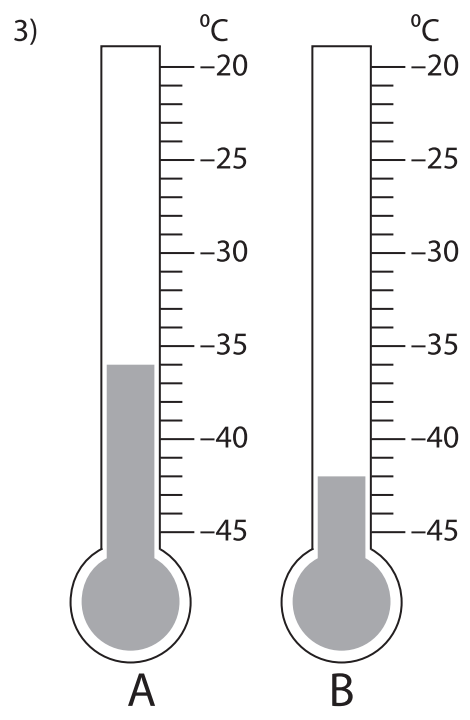
Compare each pair of thermometers and choose the correct answer.



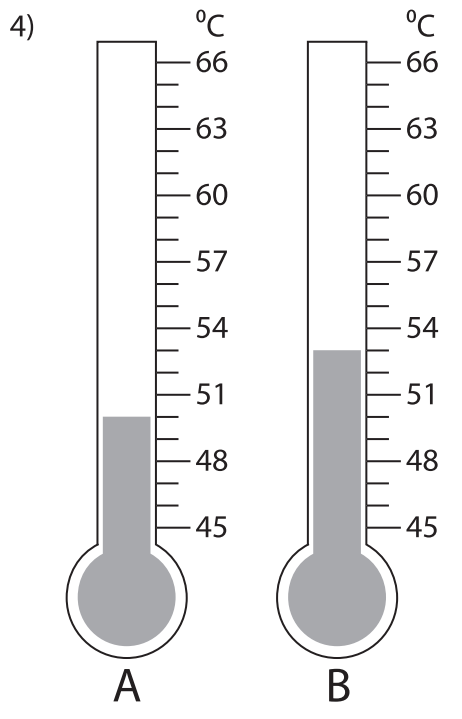
- B reads a lower temperature than A
- A reads a lower temperature than B



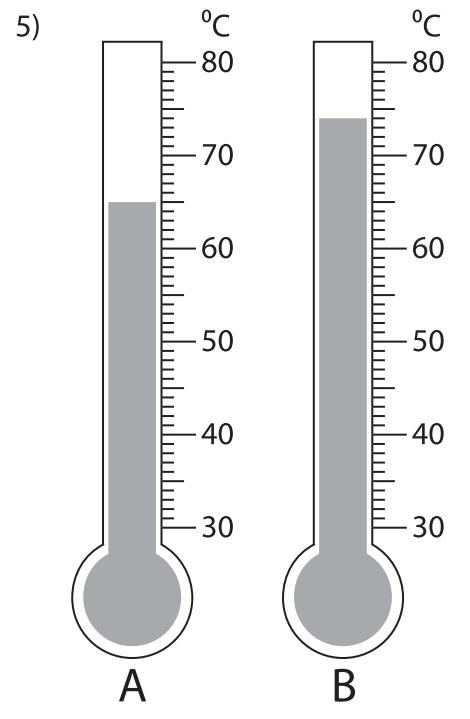
- B reads a lower temperature than A
- B reads a higher temperature than A



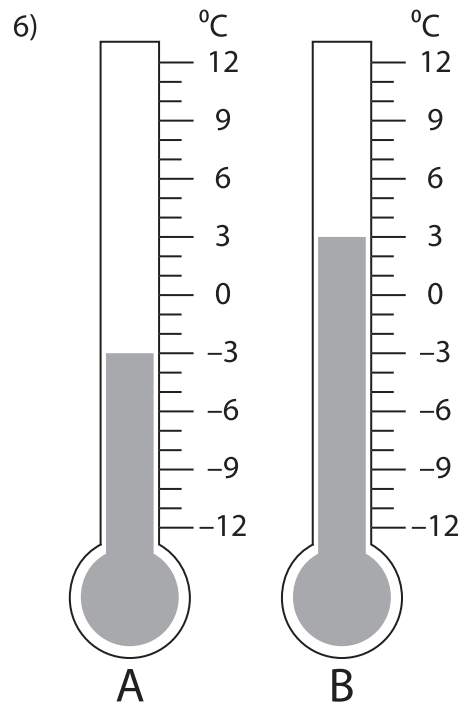
- B reads a higher temperature than A
- A reads a higher temperature than B



- B reads a lower temperature than A
- A reads a lower temperature than B



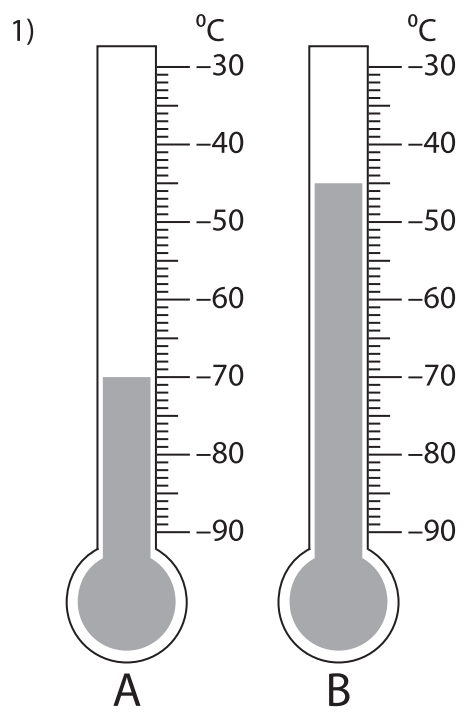
- A reads a higher temperature than B
- B reads a higher temperature than A



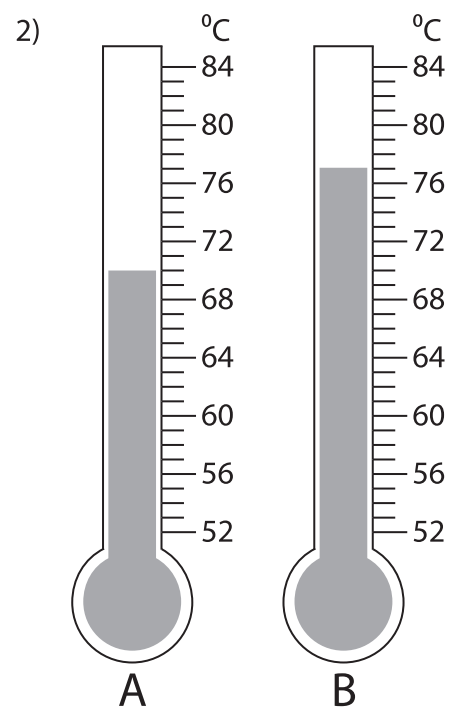
- A reads a lower temperature than B
- A reads a higher temperature than B

## Comparing temperatures - Thermometer

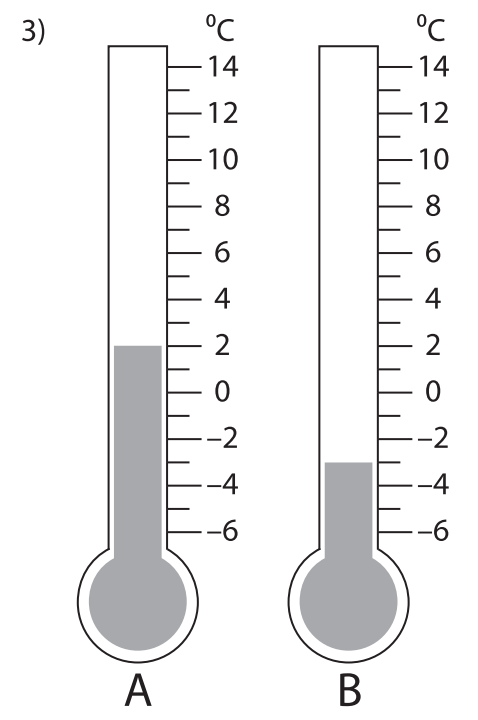
Compare each pair of thermometers and choose the correct answer.



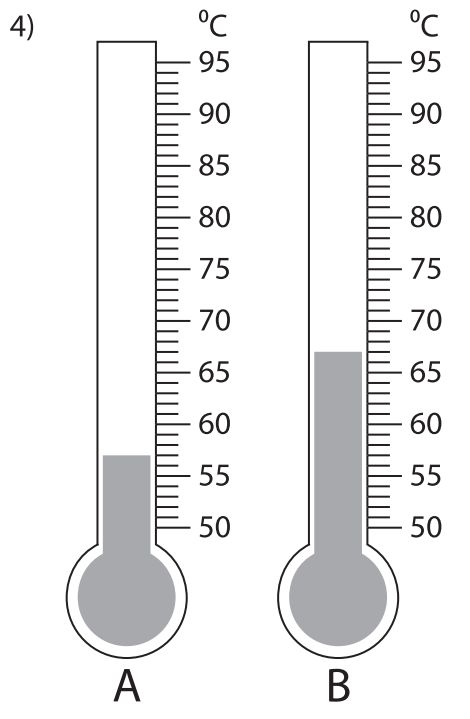
- B reads a higher temperature than A
- A reads a higher temperature than B



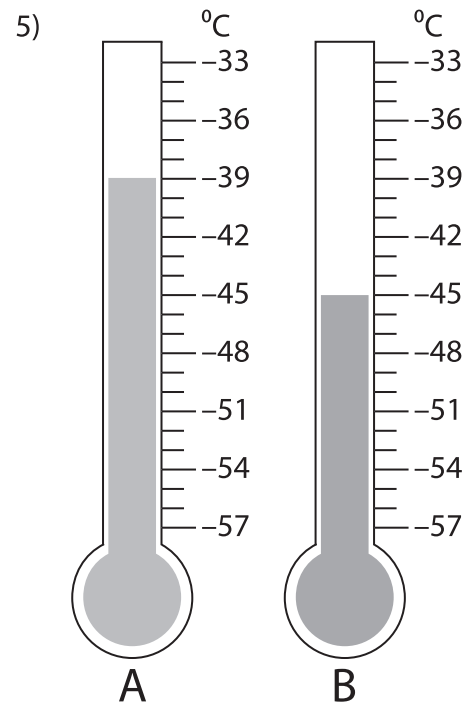
- A reads a lower temperature than B
- B reads a lower temperature than A



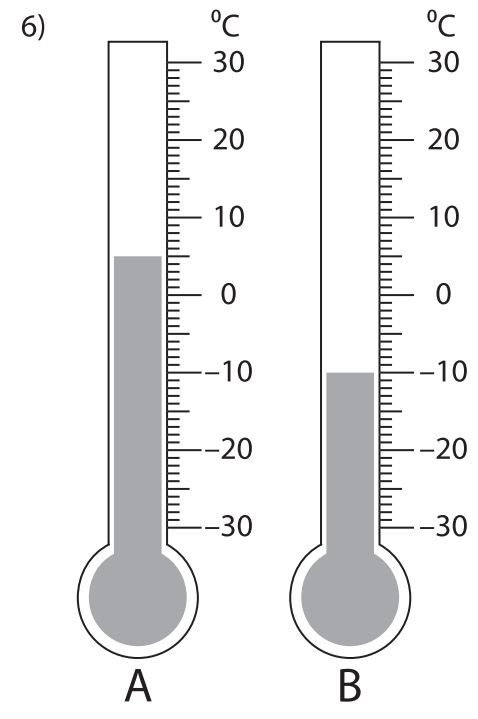
- A reads a lower temperature than B
- A reads a higher temperature than B



- B reads a higher temperature than A
- B reads a lower temperature than A



- B reads a higher temperature than A
- A reads a higher temperature than B



- B reads a lower temperature than A
- A reads a lower temperature than B

Name : \_\_\_\_\_

Score : \_\_\_\_\_

## Listing the factors

DS1

List out all possible factors for each number.

1) 150

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2) 86

---

---

3) 72

---

---

4) 144

---

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5) 834

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---

6) 55

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7) 116

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---

8) 38

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---

9) 64

---

---

10) 548

---

---



Name : \_\_\_\_\_

Score : \_\_\_\_\_

## Listing the factors

DS2

List out all possible factors for each number.

1) 999

---

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2) 46

---

---

3) 104

---

---

4) 210

---

---

5) 84

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6) 464

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7) 728

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8) 56

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9) 610

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10) 225

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Name : \_\_\_\_\_

Score : \_\_\_\_\_

## Listing the factors

DS3

List out all possible factors for each number.

1) 812

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2) 48

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3) 94

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4) 625

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5) 340

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6) 242

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7) 984

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8) 76

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9) 536

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10) 100

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Name : \_\_\_\_\_

## Number Line Addition

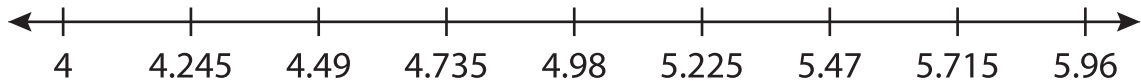
Hops: S1

Indicate hops on each number line and complete the addition sentences.

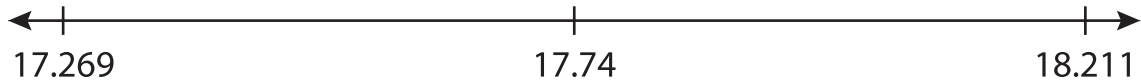
1)  $8.36 + 0.6 = \underline{\hspace{2cm}}$



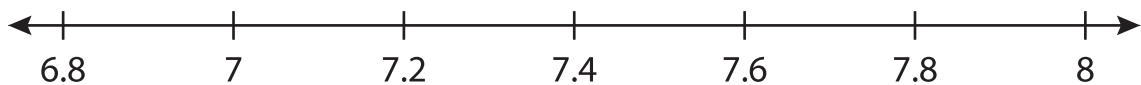
2)  $4.245 + 0.98 = \underline{\hspace{2cm}}$



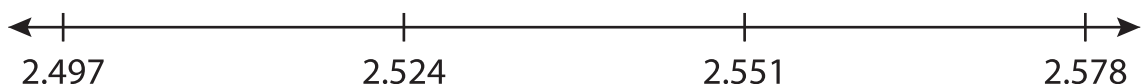
3)  $17.74 + 0.471 = \underline{\hspace{2cm}}$



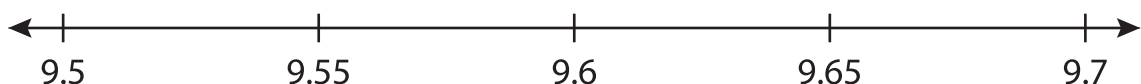
4)  $6.8 + 1.2 = \underline{\hspace{2cm}}$



5)  $2.524 + 0.054 = \underline{\hspace{2cm}}$



6)  $9.5 + 0.2 = \underline{\hspace{2cm}}$



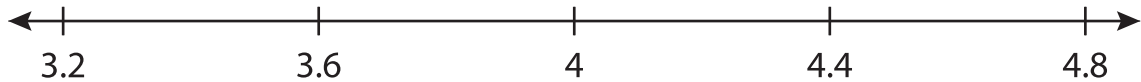
Name : \_\_\_\_\_

## Number Line Addition

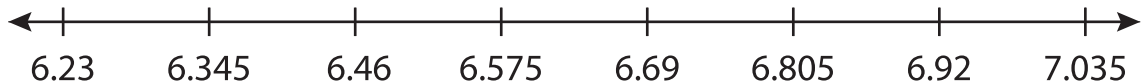
Hops: S2

Indicate hops on each number line and complete the addition sentences.

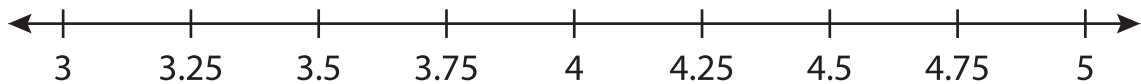
1)  $3.6 + 0.8 =$  \_\_\_\_\_



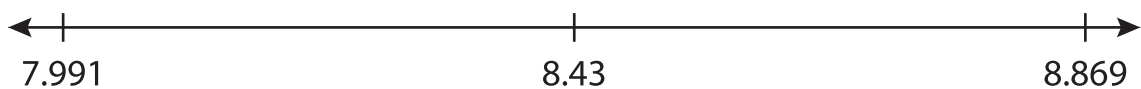
2)  $6.345 + 0.46 =$  \_\_\_\_\_



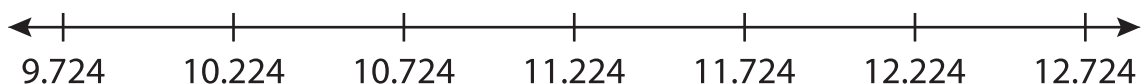
3)  $3.5 + 1.5 =$  \_\_\_\_\_



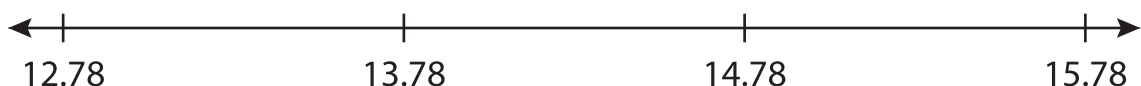
4)  $7.991 + 0.439 =$  \_\_\_\_\_



5)  $9.724 + 2.5 =$  \_\_\_\_\_



6)  $12.78 + 3 =$  \_\_\_\_\_



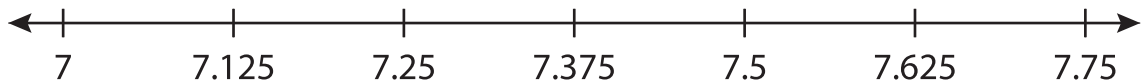
Name : \_\_\_\_\_

## Number Line Addition

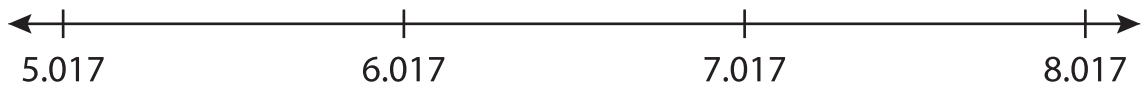
Hops: S3

Indicate hops on each number line and complete the addition sentences.

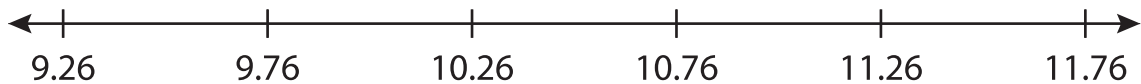
1)  $7 + 0.625 = \underline{\hspace{2cm}}$



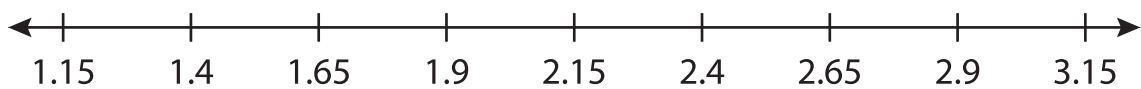
2)  $5.017 + 3 = \underline{\hspace{2cm}}$



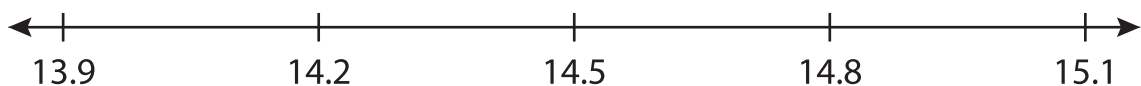
3)  $9.76 + 1.5 = \underline{\hspace{2cm}}$



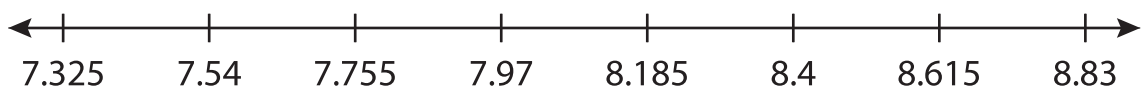
4)  $1.15 + 2 = \underline{\hspace{2cm}}$



5)  $14.2 + 0.6 = \underline{\hspace{2cm}}$



6)  $7.755 + 0.86 = \underline{\hspace{2cm}}$



Name : \_\_\_\_\_

## Ratio: Dividing into Parts

Sheet 1

Find the share of each part.

1) Divide \$50 in the ratio 2 : 3.

\_\_\_\_\_

3) Divide 105 g in the ratio 8 : 7.

\_\_\_\_\_

5) Divide 72 mL in the ratio 4 : 5.

\_\_\_\_\_

2) Divide 81 m in the ratio 5 : 4.

\_\_\_\_\_

4) Divide 49 cm in the ratio 1 : 6.

\_\_\_\_\_

6) Divide 121 km in the ratio 9 : 2.

\_\_\_\_\_

7) Jace gave \$100 to her daughter Kailey and asked her to spend three parts and save two parts of the total amount. How much did Kailey spend and how much did she save?

\_\_\_\_\_



Name : \_\_\_\_\_

## Ratio: Dividing into Parts

Sheet 2

Find the share of each part.

1) Divide 169 cm in the ratio 5 : 8.

\_\_\_\_\_

3) Divide 90 mg in the ratio 7 : 2.

\_\_\_\_\_

5) Divide 36 m in the ratio 3 : 6.

\_\_\_\_\_

2) Divide 77 L in the ratio 9 : 2.

\_\_\_\_\_

4) Divide \$14 in the ratio 2 : 5.

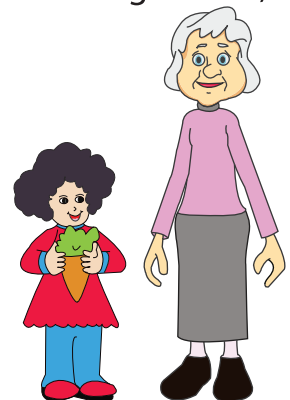
\_\_\_\_\_

6) Divide 25 dm in the ratio 4 : 1.

\_\_\_\_\_

7) The ages of Andrea and Emma are in the ratio 1 : 7. If the sum of their ages is 80, what would be Andrea's age and Emma's age?

\_\_\_\_\_



Name : \_\_\_\_\_

## Ratio: Dividing into Parts

Sheet 3

Find the share of each part.

1) Divide 45 ¢ in the ratio 6 : 3.

\_\_\_\_\_

3) Divide 28 mL in the ratio 8 : 6.

\_\_\_\_\_

5) Divide 100 dm in the ratio 1 : 9.

\_\_\_\_\_

2) Divide 156 mm in the ratio 4 : 8.

\_\_\_\_\_

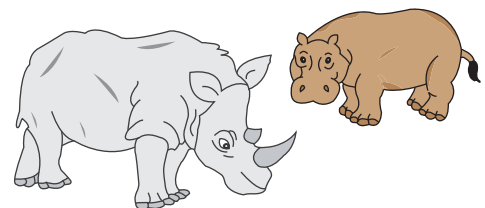
4) Divide 88 g in the ratio 7 : 4.

\_\_\_\_\_

6) Divide 63 L in the ratio 5 : 2.

\_\_\_\_\_

7) The total weight of a white rhino calf and a common hippo calf is 96 kg. If the weight of white rhino calf to the weight of common hippo calf is in the ratio 2 : 1, find the weight of white rhino calf and the weight of common hippo calf?



\_\_\_\_\_



Name : \_\_\_\_\_

## Division

4-digit/ 5-digit by 1-digit: S1

- 1) The Hogwarts library has 15,852 reference books arranged in 6 racks equally. How many books does each rack hold?



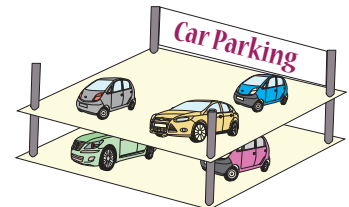
\_\_\_\_\_

- 2) Jeremy withdrew \$1,000 from his account. On his way home, he stopped at the local grocer's shop and exchanged the \$1,000 bill for \$5 bills. How many five dollar bills did Jeremy receive from the grocer?



\_\_\_\_\_

- 3) The E.T. parking facility at Universal Studios, Hollywood can accommodate up to 5,000 vehicles at a time. If the parking structure is 8 levels tall, how many vehicles can be parked on each level?



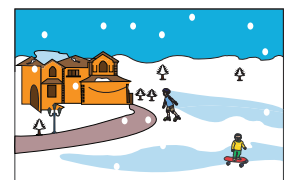
\_\_\_\_\_

- 4) Gina is employed by the Wilsons as a full-time babysitter. If she earns a total of \$2,296 a month, how much will she earn in a week?



\_\_\_\_\_

- 5) A ski resort is spread over 5,288 acres. The resort is split equally into 4 key areas. How many acres will each key area comprise of?



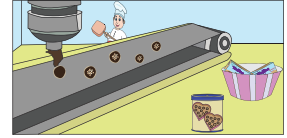
\_\_\_\_\_

Name : \_\_\_\_\_

## Division

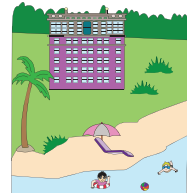
4-digit/ 5-digit by 1-digit: S2

- 1) Five making lines in a chocolate factory can churn out 10,000 tons of liquid chocolate in a year. How many tons of liquid chocolate can one making line in the chocolate factory produce in a year?



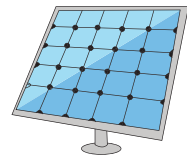
\_\_\_\_\_

- 2) The Disney's All-Star Movies Resort at Orlando, FL has a total of 1,920 rooms spread over four floors. How many rooms does each floor have?



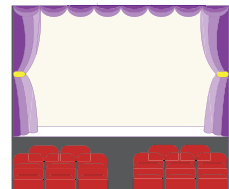
\_\_\_\_\_

- 3) Heather installed solar panels in her home. The total consumption of electricity in the month of June 2016 was 1,200 kWh. Calculate the average consumption of electricity per week for the month of June.



\_\_\_\_\_

- 4) The Big Bang Theater has a total seating capacity of 2,160 equally spread over 9 screens. How many seats can each screen accommodate?



\_\_\_\_\_

- 5) Mike, John, and Ryan collectively spent \$93,381 on their international holiday. They decide to split the expenses equally. What is the amount each person should contribute for a fair sharing of costs?



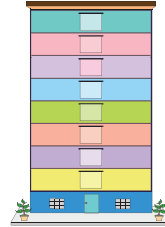
\_\_\_\_\_

Name : \_\_\_\_\_

## Division

4-digit/ 5-digit by 1-digit: S3

- 1) Nina and Betty rented an apartment near Downtown Los Angeles. If they paid \$11,460 towards rent for the first quarter, how much are they charged for each month by the landlord?



\_\_\_\_\_

- 2) A ranch in Texas has a total of 1,266 horses. If they are sheltered equally in 6 barns, how many horses are housed in one barn?



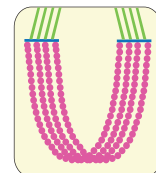
\_\_\_\_\_

- 3) An orchard yields 1,463 apples in August 2016. They are packed into 7 boxes and delivered to a nearby supermarket. How many apples does each box contain?



\_\_\_\_\_

- 4) Anne uses 1,008 beads to make stranded necklaces for 9 of her friends. How many beads did Anne use for each necklace she made?



\_\_\_\_\_

- 5) A courier company delivers 1,456 packages in 8 days. If they delivered equal number of packages on all days, how many packages were delivered each day?



\_\_\_\_\_

## Stem-and-Leaf Plot

Sheet 1

- 1) The data for the production of number of components at an industry for three weeks are given below. Make a stem-and-leaf plot.

56, 22, 45, 24, 13, 39, 15, 34, 26, 45, 51, 18, 38, 26, 55

Stem	Leaf

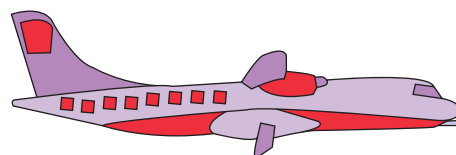


Key: 5|5 = \_\_\_\_\_

- 2) The data for air traffic in ten days at a busy airport is recorded as follows. Make a stem-and-leaf plot for the given data.

293, 287, 309, 306, 295, 288, 285, 294, 306, 281

Stem	Leaf



Key: 29|5 = \_\_\_\_\_

## Stem-and-Leaf Plot

Sheet 2

- 1) The duration of ten marketing calls (in seconds) made by Jim from his office to various customers are recorded below. Make a stem-and-leaf plot.

334, 310, 321, 312, 335, 326, 344, 329, 344, 346

Stem	Leaf

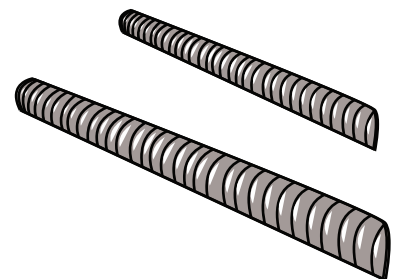


Key : 31|0 = \_\_\_\_\_

- 2) The data for steel rods (in tonnes) required for the construction of fifteen eight-storey flats are listed below. Make a stem-and-leaf plot.

93, 82, 74, 87, 89, 62, 65, 73, 85, 80, 76, 94, 79, 69, 73

Stem	Leaf



Key : 9|3 = \_\_\_\_\_

## Stem-and-Leaf Plot

Sheet 3

- 1) Maria's backyard has a lot of trees. The ages of trees in years are given below. Make a stem-and-leaf plot.

6.7, 7.1, 5.3, 4.7, 7.8, 5.7, 4.2, 6.2, 5.9, 5.4, 7.5, 4.6, 7.9, 6.1, 4.7

Stem	Leaf

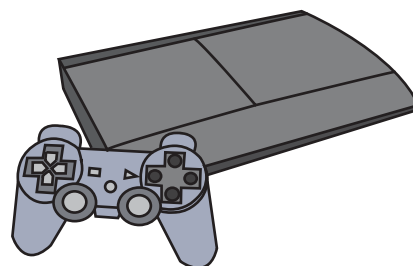


Key: 7|5 = \_\_\_\_\_

- 2) Mark and his friends played a car race on his new gaming console. The time (in seconds) required for them to cover 10 laps are recorded below. Make a stem-and-leaf plot of the data.

705, 720, 711, 714, 725, 708, 713, 707, 716, 722, 706, 716

Stem	Leaf



Key : 70|8 = \_\_\_\_\_

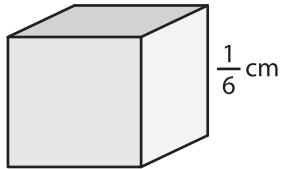
Name : \_\_\_\_\_

## Volume - Cube

Sheet 1

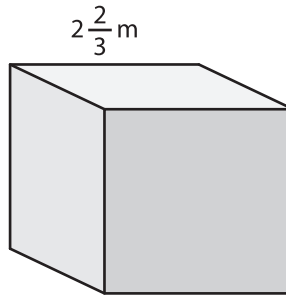
A) Find the volume of each cube.

1)



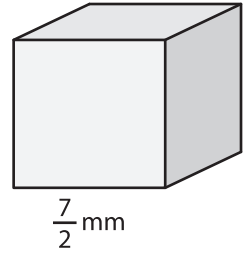
Volume = \_\_\_\_\_

2)



Volume = \_\_\_\_\_

3)



Volume = \_\_\_\_\_

B) Find the volume of each cube from the given side length.

4) side length =  $\frac{4}{9}$  cm

Volume = \_\_\_\_\_

5) side length =  $\frac{6}{5}$  m

Volume = \_\_\_\_\_

6) side length =  $\frac{5}{7}$  mm

Volume = \_\_\_\_\_

7) side length =  $1\frac{1}{8}$  cm

Volume = \_\_\_\_\_

8) If a side of an ice cube measures  $2\frac{2}{3}$  cm, what is the total volume of 27 such ice cubes?

\_\_\_\_\_

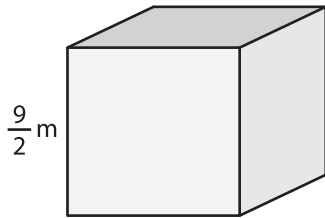
Name : \_\_\_\_\_

## Volume - Cube

Sheet 2

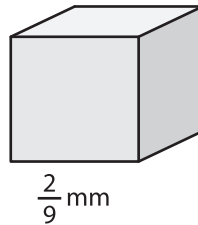
A) Find the volume of each cube.

1)



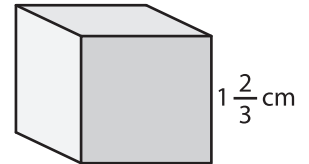
Volume = \_\_\_\_\_

2)



Volume = \_\_\_\_\_

3)



Volume = \_\_\_\_\_

B) Find the volume of each cube from the given side length.

4) side length =  $1\frac{1}{4}$  m

Volume = \_\_\_\_\_

5) side length =  $\frac{3}{5}$  mm

Volume = \_\_\_\_\_

6) side length =  $\frac{7}{6}$  cm

Volume = \_\_\_\_\_

7) side length =  $\frac{5}{8}$  m

Volume = \_\_\_\_\_

8) How much space does a  $\frac{1}{4}$ -m cubical gift box have?

\_\_\_\_\_



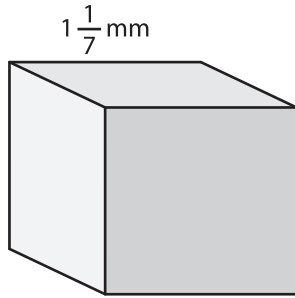
Name : \_\_\_\_\_

## Volume - Cube

Sheet 3

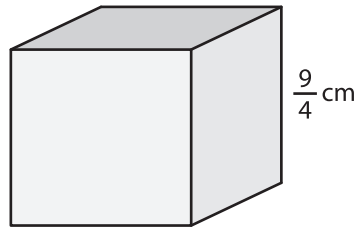
A) Find the volume of each cube.

1)



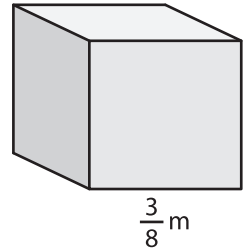
Volume = \_\_\_\_\_

2)



Volume = \_\_\_\_\_

3)



Volume = \_\_\_\_\_

B) Find the volume of each cube from the given side length.

4) side length =  $\frac{5}{6}$  mm

Volume = \_\_\_\_\_

5) side length =  $\frac{1}{9}$  cm

Volume = \_\_\_\_\_

6) side length =  $2\frac{1}{3}$  m

Volume = \_\_\_\_\_

7) side length =  $\frac{9}{5}$  mm

Volume = \_\_\_\_\_

8) Shawn pieces a large cube together from 25 metal cubes. The side length of each metal cube is  $\frac{3}{2}$  cm. Find the volume of the large cube thus formed.

\_\_\_\_\_

Name : \_\_\_\_\_

T2S1

## Perimeter of a Rectangle

A) Find the perimeter of each rectangle for the given measurements.

1) length = 4.3 m, width = 2.1 m

Perimeter = \_\_\_\_\_

2) width = 10.7 cm, length = 12.8 cm

Perimeter = \_\_\_\_\_

3) width = 1.5 mm, length = 2.7 mm

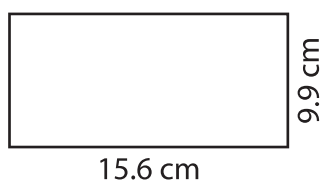
Perimeter = \_\_\_\_\_

4) length = 8.9 m, width = 5.2 m

Perimeter = \_\_\_\_\_

B) Find the perimeter of each rectangle.

5)



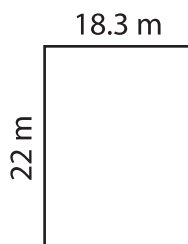
Perimeter = \_\_\_\_\_

6)



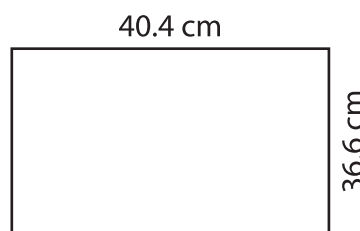
Perimeter = \_\_\_\_\_

7)



Perimeter = \_\_\_\_\_

8)



Perimeter = \_\_\_\_\_

9) The length and the width of a rectangle are 16.1 mm and 7 mm respectively. Determine the perimeter of the rectangle.

\_\_\_\_\_

Name : \_\_\_\_\_

T2S2

## Perimeter of a Rectangle

A) Find the perimeter of each rectangle for the given measurements.

1) width = 12.7 cm, length = 35.8 cm

Perimeter = \_\_\_\_\_

2) length = 6.4 mm, width = 5 mm

Perimeter = \_\_\_\_\_

3) length = 24.3 m, width = 21.8 m

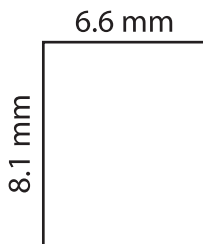
Perimeter = \_\_\_\_\_

4) width = 4.1 cm, length = 17.7 cm

Perimeter = \_\_\_\_\_

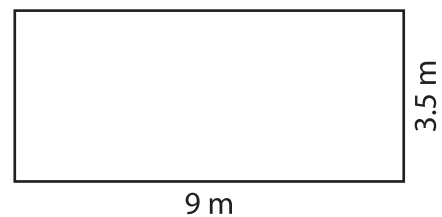
B) Find the perimeter of each rectangle.

5)



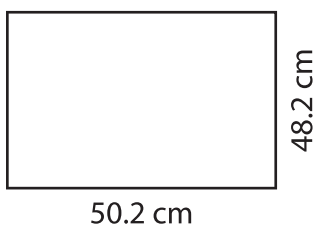
Perimeter = \_\_\_\_\_

6)



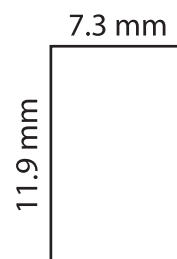
Perimeter = \_\_\_\_\_

7)



Perimeter = \_\_\_\_\_

8)



Perimeter = \_\_\_\_\_

9) A rectangle has a length of 33.6 m and a width of 28.4 m. What is the perimeter of the rectangle?

\_\_\_\_\_

Name : \_\_\_\_\_

T2S3

## Perimeter of a Rectangle

A) Find the perimeter of each rectangle for the given measurements.

1) length = 13.4 mm, width = 9.6 mm

Perimeter = \_\_\_\_\_

2) width = 2.7 m, length = 3.2 m

Perimeter = \_\_\_\_\_

3) length = 36.5 cm, width = 29.5 cm

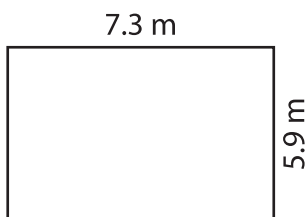
Perimeter = \_\_\_\_\_

4) width = 60 mm, length = 78.7 mm

Perimeter = \_\_\_\_\_

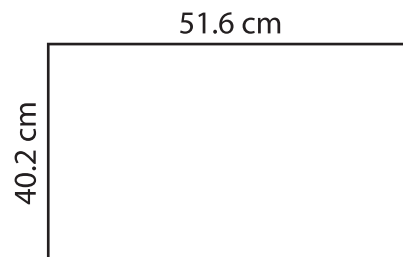
B) Find the perimeter of each rectangle.

5)



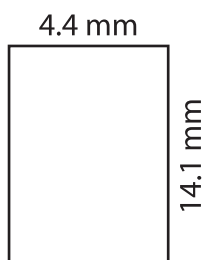
Perimeter = \_\_\_\_\_

6)



Perimeter = \_\_\_\_\_

7)



Perimeter = \_\_\_\_\_

8)



Perimeter = \_\_\_\_\_

9) The width and the length of a rectangle are 1.1 cm and 2 cm respectively. Find the perimeter of the rectangle.

\_\_\_\_\_

Name : \_\_\_\_\_

T2S4

## Perimeter of a Rectangle

A) Find the perimeter of each rectangle for the given measurements.

1) width = 30 m, length = 43.5 m

Perimeter = \_\_\_\_\_

2) length = 10.4 mm, width = 8.3 mm

Perimeter = \_\_\_\_\_

3) width = 4.8 cm, length = 7.2 cm

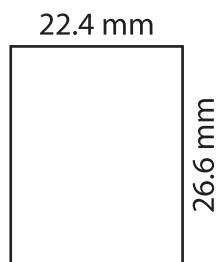
Perimeter = \_\_\_\_\_

4) length = 34.1 m, width = 25.5 m

Perimeter = \_\_\_\_\_

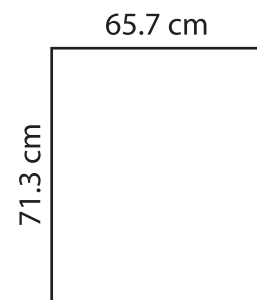
B) Find the perimeter of each rectangle.

5)



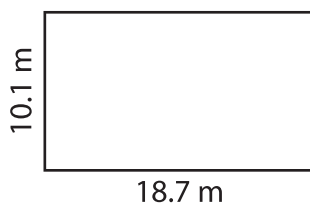
Perimeter = \_\_\_\_\_

6)



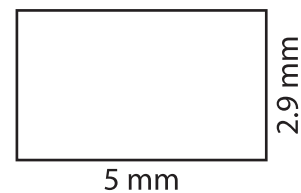
Perimeter = \_\_\_\_\_

7)



Perimeter = \_\_\_\_\_

8)



Perimeter = \_\_\_\_\_

9) What is the perimeter of the rectangle, if its width and length are 47.2 cm and 53.5 cm respectively?

\_\_\_\_\_

Name : \_\_\_\_\_

T2S5

## Perimeter of a Rectangle

A) Find the perimeter of each rectangle for the given measurements.

1) length = 8.7 mm, width = 3.1 mm

Perimeter = \_\_\_\_\_

2) length = 78.1 cm, width = 67.3 cm

Perimeter = \_\_\_\_\_

3) width = 7.7 m, length = 16 m

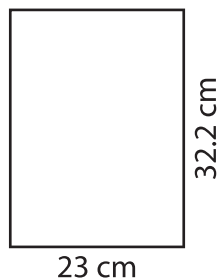
Perimeter = \_\_\_\_\_

4) width = 6.2 mm, length = 9.3 mm

Perimeter = \_\_\_\_\_

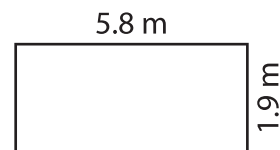
B) Find the perimeter of each rectangle.

5)



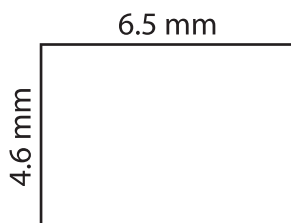
Perimeter = \_\_\_\_\_

6)



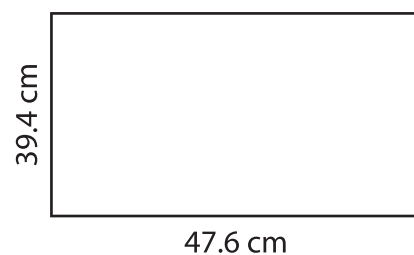
Perimeter = \_\_\_\_\_

7)



Perimeter = \_\_\_\_\_

8)



Perimeter = \_\_\_\_\_

9) Find the perimeter of the rectangle whose length is 63 m and width is 54.5 m.

\_\_\_\_\_