Grade 3 | Play! Mathematics | Online

Term 3	Assessment 1
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Add & Subtract | Multiplication, Grouping & Sharing Fractions and Money | Patterns and Functions

Section A | Addition and Subtraction

- Write down the value of each underlined digit.
 a) <u>1</u>2 b) 9<u>2</u> c) 1<u>8</u>3 d) <u>6</u>18 e) 45<u>7</u>
- 2. My units digit is a five and my tens digit is a 7. What number am I?
- 3. Write the given numbers from the smallest to the biggest.

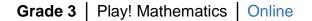
43, 47, 74, 34, 44.

- 4. I am the odd number between 99 and 95. Who am I?
- 5. Write in short form: a) 6T + 9U + 5U =
 b) 3U + 8H + 5T =
 c) 1T + 6H =
- 6. Round each of the following numbers off to the nearest 10.
 - a) $12 \approx \dots$ b) $25 \approx \dots$ c) $257 \approx \dots$ d) $466 \approx \dots$
- 7. a) Find the sum of 35 and 28.
- b) Subtract 38 from 60.

8. Calculate:

a) 465 + 343

b) 547 – 385



- 9. The sum of two numbers is 17.The one number is 8. The other number =
- 10. There are 25 marbles in one bag and 8 more marbles in another bag.

How many marbles are in both bags?

11. Gary wants to buy a new jersey that costs R390.He has R250 and saves another R85.How much more does he need to save to buy the jersey?

Section B | Multiplication, Grouping & Sharing

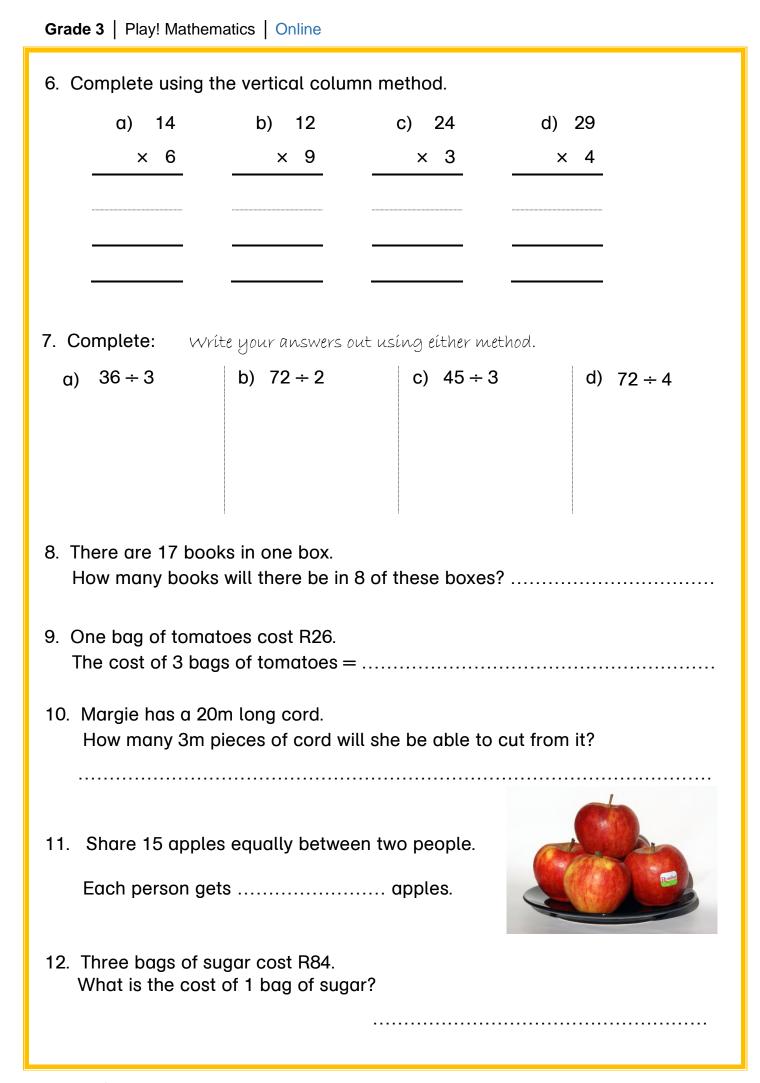
1. Fill in the first ten multiples of 8.

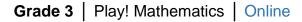
	1	2	3	4	5	6	7	8	9	10
× 8										

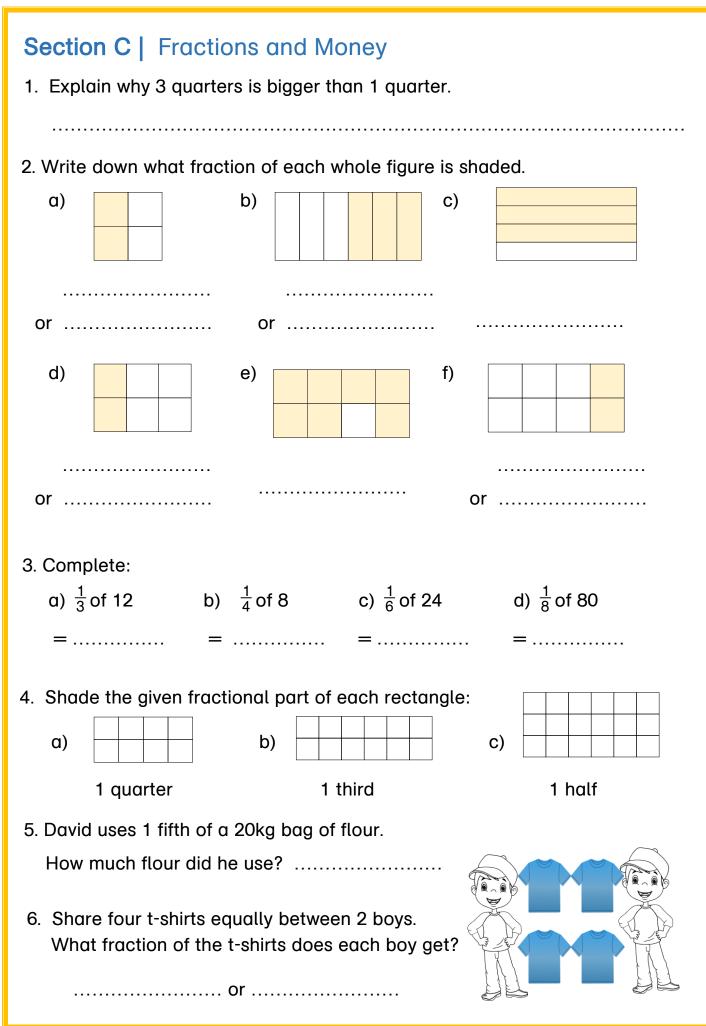
- 2. Write the multiples of 9 between 20 and 60.
- 3. Complete:

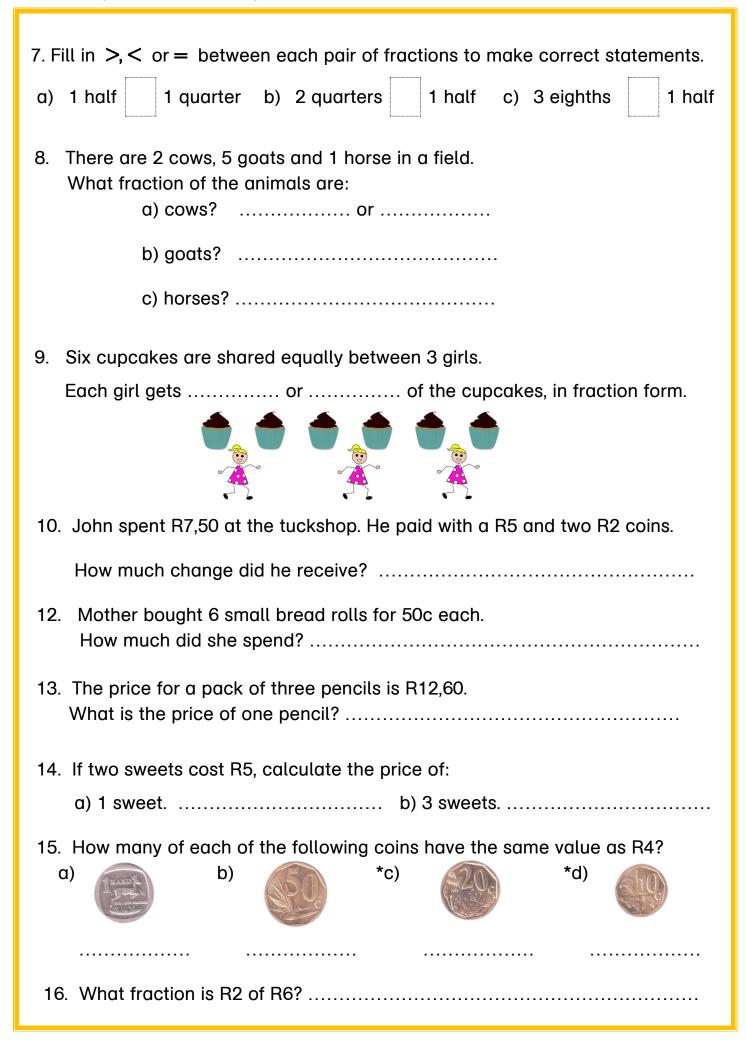
a) $12 \div 4 = \dots$ b) $32 \div 8 = \dots$ c) $27 \div 3 = \dots$ d) $56 \div 7 = \dots$

- Mark each correct answer with a "√".
 If the answer is incorrect, write the correct answer.
- a) 3 fives = 15 b) Double 16 = 32 c) $20 \div 4 = 6$
- d) Half of $11 = 6\frac{1}{2}$ e) 6 eights = 68 f) $6 \times 0 = 60$
- 5. Use the "bracket" method to calculate:









Section D Pattern	s and Functions	
1. Write down the next 3	numbers in each. Fill	in the rule that you used.
a) 5;8;11;		Rule:
b) 50;46;42;		Rule:
c) 20 ; 18 ; 16 ; …		Rule:
d) 75;78;81;		Rule:
 Write down the next 5 a) 180 ; 185 ; 190 ; 		
b) 220;218;216;		
c) 120;140;160;		
d) 800;750;700;		
e) 836 ;736 ; 636 ;		
3. Draw the next two dia	grams:	

4. Describe the pattern in words and then draw it one more time.



The pattern is

Term 3 | Assessment 1 Answers

Add & Subtract | Multiplication, Grouping & Sharing Fractions and Money | Patterns and Functions

Section A | Addition and Subtraction

- Write down the value of each underlined digit.
 a) <u>1</u>2 <u>10</u> b) <u>92</u> <u>2</u> c) 1<u>83</u> <u>80</u> d) <u>6</u>18 <u>600</u> e) 45<u>7</u> <u>7</u>
- 2. My units digit is a five and my tens digit is a 7. What number am I? 75
- 3. Write the given numbers from the smallest to the biggest.

43, 47, 74, 34, 44. 34, 43, 44, 47, 74.

4. I am the odd number between 99 and 95. Who am I? 97

5. Write in short form: a) 6T + 9U + 5U = 60 + 14 = 74b) 3U + 8H + 5T = 853c) 1T + 6H = 610

6. Round each of the following numbers off to the nearest 10.

30

a) $12 \approx 10$ b) $25 \approx$

7. a) Find the sum of 35 and 28. 63

5	÷	8	_	1	3
30	+	20	=	5	0
35	+	28	=	6	3

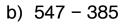
- 8. Calculate:
 - a) 465 + 343

5	+	3	=			8
60	+	40	=	1	0	0
	+	300	=	8	0	0
465	+	343	=	8	0	8

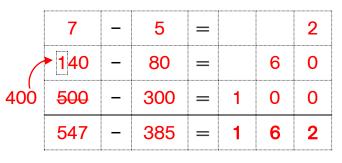
b)	Subtract 38 from	60.	22
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10	_	8	-		2
50	_	30	=	2	0
60	_	38	=	2	2

d) 466 ≈ <mark>470</mark>



c) 257 ≈ <mark>260</mark>



- 9. The sum of two numbers is 17. $8 + _ = 17 \rightarrow 17 8 = 9$ The one number is 8. The other number = 9
- 10. There are 25 marbles in one bag and 8 more marbles in another bag. How many marbles are in the second bag? 25 + 8 = 33

How many marbles are in both bags? 25 + 33 = 58

 11. Gary wants to buy a new jersey that costs R390. He has R250 and saves another R85. Total = R250 + R85 = R335 How much more does he need to save to buy the jersey? Money still needed = R390 - R335 = R55

Section B | Multiplication, Grouping & Sharing

1. Fill in the first ten multiples of 8.

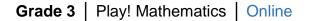
	1	2	3	4	5	6	7	8	9	10
× 8	8	16	24	32	40	48	56	64	72	80

- 2. Write the multiples of 9 between 20 and 60. 40 27, 36, 45, 54. 60
- 3. Complete:

a) $12 \div 4 = 3$ b) $32 \div 8 = 4$ c) $27 \div 3 = 9$ d) $56 \div 7 = 8$

- Mark each correct answer with a "√".
 If the answer is incorrect, write the correct answer.
 - a) 3 fives = 15 \checkmark b) Double 16 = 32 \checkmark c) 20 ÷ 4 = 6 5
 - d) Half of $11 = 6\frac{1}{2} \frac{5\frac{1}{2}}{6}$ e) 6 eights = 68 $\frac{48}{6}$ f) $6 \times 0 = 60$ 0
- 5. Use the "bracket" method to calculate:

a) 5 × 13	b) 4 × 25
= 5 × (<mark>10</mark> + <mark>3</mark>)	$= 4 \times (20 + 5)$
$= (5 \times 10) + (5 \times 3)$	$= (4 \times 20) + (4 \times 5)$
= 50 + 15	= 80 + 20
= 65	= 100



6. Complete	using the vertica	od. Multiply	the unit digits first.	
a) 1	4 b) 12	c) 24	d) 29	
×	6 × 9	× 3	× 4	
2	4 18	12	36	
+ 6	0 + 90	+ 60	+ 80	
8	4 108	72	116	

7. Complete: Write your answers out using either method.

a)	36 ÷ 3	b) 72÷2	c) 45 ÷ 3	d) 72 ÷ 4
	$30 \div 3 = 10$	$60 \div 2 = 30$	$30 \div 3 = 10$	$40 \div 4 = 10$
	$6 \div 3 = 2$	$12 \div 2 = 6$	$15 \div 3 = 5$	$32 \div 4 = 8$
	$36 \div 3 = 12$	$72 \div 2 = 36$	$45 \div 3 = 15$	$72 \div 4 = 18$

- 8. There are 17 books in one box. How many books will there be in 8 of these boxes? $17 \times 8 = 136$ books.
- One bag of tomatoes cost R26.
 The cost of 3 bags of tomatoes = 3 × R26 = R78.
- 10. Margie has a 20m long cord. How many 3m pieces of cord will she be able to cut from it?

 $20 \div 3 = 6 r 2$ 6 pieces 2 (m left)

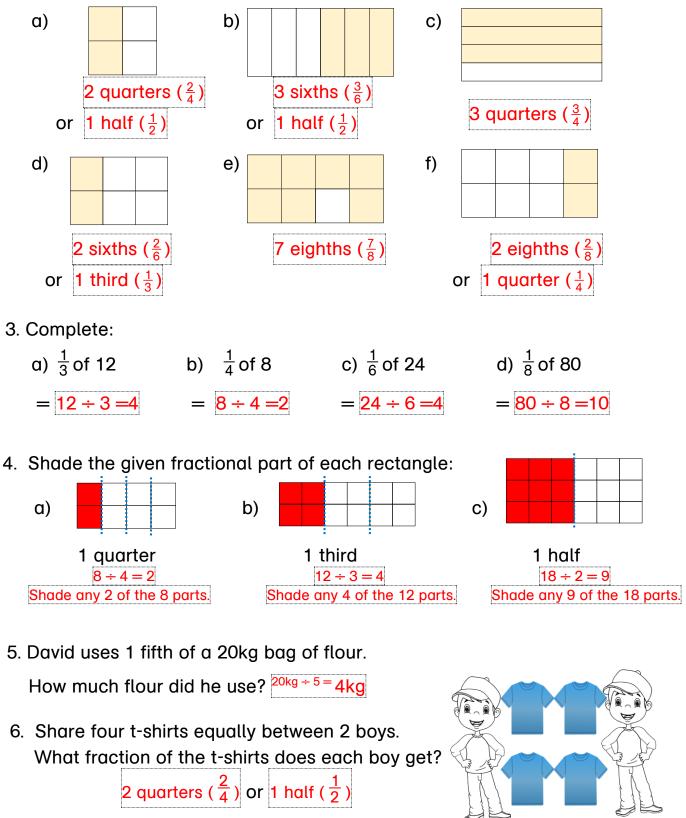
11. Share 15 apples equally between two people. Each person gets $15 \div 2 = 7\frac{1}{2}$ apples.

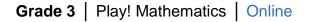


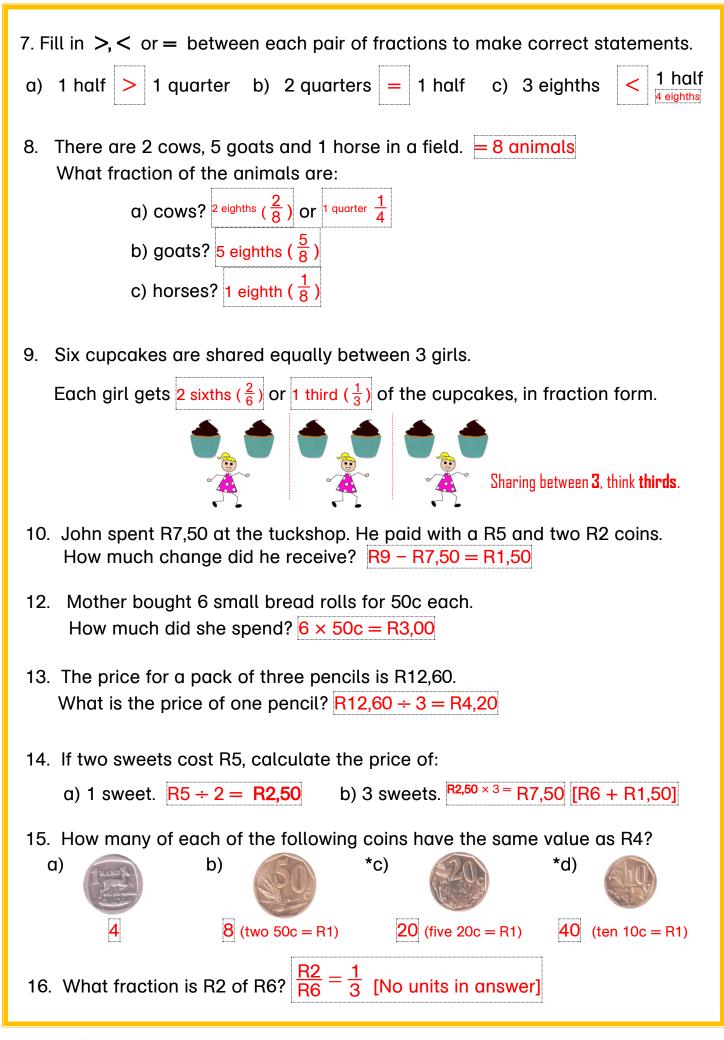
12. Three bags of sugar cost R84. What is the cost of 1 bag of sugar? $R84 \div 3 = R28$

Section C | Fractions and Money

- Explain why 3 quarters is bigger than 1 quarter.
 3 quarters means 3 of 4 equal parts, 1 quarter is only 1 of 4 equal parts.
- 2. Write down what fraction of each whole figure is shaded.

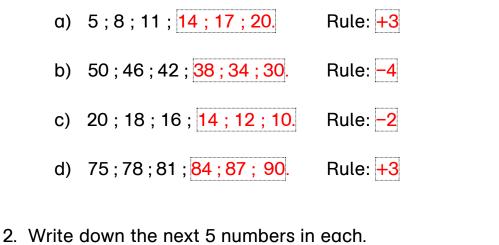






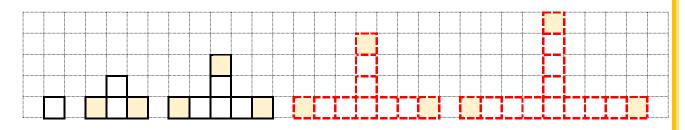
Section D | Patterns and Functions

1. Write down the next 3 numbers in each. Fill in the rule that you used.





3. Draw the next two diagrams:



4. Describe the pattern in words and then draw it one more time.



The pattern is a triangle, two circles and then a square.