

MATHEMATICS

Grade 3

English

**Teacher's
Resource**

Pack

2019 TERM 3

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I Printable Resources

Printable resource sheets

This is a list of the mathematical resources that you will need this term. You need to make sure that you have them for the lessons for which they are recommended.

1	Array diagram (lesson 1 and other)	2
2	Multiplication cards (lesson 1 and other)	3
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RESOURCES FOR EACH DAY OF TEACHING

There are also other resources such as informal resources (old magazines, pieces of string, scrap paper, etc.) that you may need in certain lessons. You should have a careful look at the list of resources needed for each lesson; this list is given in the lesson plans each day. Prepare yourself, so that you have the necessary resources for the lessons on a daily basis.

I Array diagram (lesson I and other)

Array diagram for multiplication table										
	1	2	3	4	5	6	7	8	9	10
1	●	●	●	●	●	●	●	●	●	●
2	●	●	●	●	●	●	●	●	●	●
3	●	●	●	●	●	●	●	●	●	●
4	●	●	●	●	●	●	●	●	●	●
5	●	●	●	●	●	●	●	●	●	●
6	●	●	●	●	●	●	●	●	●	●
7	●	●	●	●	●	●	●	●	●	●
8	●	●	●	●	●	●	●	●	●	●
9	●	●	●	●	●	●	●	●	●	●
10	●	●	●	●	●	●	●	●	●	●

2 Multiplication cards (lesson 1 and other)

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

3 Multiplication cards (lesson 1 and other)

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

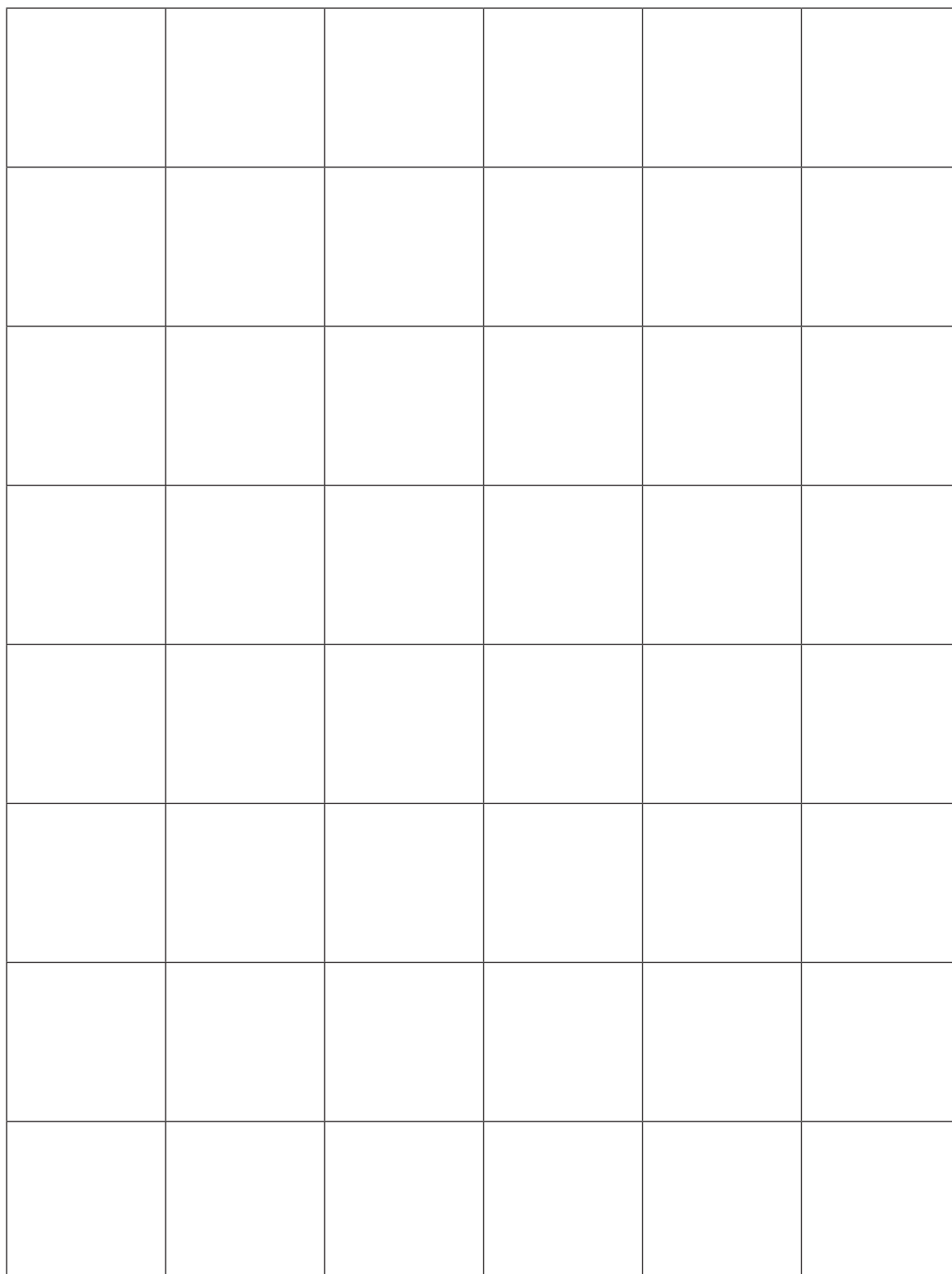
4. Multiplication cards (lesson 1 and other)

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

5 Multiplication table (lesson 2 and other)

	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

6 Squares template (lesson 37)



7 Money cut-outs – coins (lesson 39–42)



8 Money cut-outs - notes (lesson 39-42)



9 Money cut-outs – notes (lesson 39-42)



2 Written assessments

Written Assessment Lesson 6

- 1 Draw an array to show the multiple and write the answer below the array: (4)

	Multiple	Array		Multiple	Array
a	4×3		b	3×4	
c	3×6		d	6×3	

2 Solve the problems:

 $(3 \times 4 = 12)$

a	There are 8 flowers. Share the flowers equally between 4 children. How many flowers will each child get?	
	Write the number sentence.	
	Write the answer.	
b	There are 16 oranges. Share the oranges between 4 children equally. How many oranges will each child get?	
	Write the number sentence.	
	Write the answer.	
c	There are 12 books. Share the books between 4 learners. How many books will each learner get?	
	Write the number sentence.	
	Write the answer.	

Written Assessment Lesson II

I Solve the problems:

(3 × 3 = 9)

a	There are 20 apples. Share the apples between 2 children equally. How many apples will each child get?	
	Draw a diagram.	
	Write the number sentence.	
	Write the answer.	
b	There are 15 sweets. You give 5 sweets to each learner. How many learners will get sweets?	
	Draw a diagram.	
	Write the number sentence.	
	Write the answer.	

c	There are 20 books. 4 children each take an equal number of books. How many books will each child take?	
	Draw a diagram.	
	Write the number sentence.	
	Write the answer.	

2 Use multiplication facts to complete the table.

(8)

		$\square \times \underline{\quad\quad} =$ $\underline{\quad\quad}$	$\square =$ $\underline{\quad\quad}$
a	$81 \div 9 = \square$		
b	$35 \div 7 = \square$		
c	$32 \div 8 = \square$		
d	$42 \div 6 = \square$		

Written Assessment Lesson 17

1 Solve the problems:

($4 \times 3 = 12$)

a	There are 60 marbles. Share the marbles between 10 friends. How many marbles will each friend get?	
	Write the number sentence.	
	Turn it into multiplication.	
	Write the answer.	
b	There are 24 flowers. Share the flowers between 3 teachers. How many flowers will each teacher get?	
	Write the number sentence.	
	Turn it into multiplication.	
	Write the answer.	

c	There are 72 apples. The apples need to be packed into bags with 9 apples in a bag. How many bags will you need?	
	Write the number sentence.	
	Turn it into multiplication.	
	Write the answer.	
d	There are 40 m of orange ribbon and 5 m of blue ribbon. How many times longer is the orange ribbon than the blue ribbon?	
	Draw the diagram.	
	Turn it into multiplication.	
	Write the answer.	

2 Calculate:

(10)

a $56 \div 8 = \underline{\quad}$

b $42 \div 7 = \underline{\quad}$

c $9 \div 9 = \underline{\quad}$

d $15 \div 5 = \underline{\quad}$

e $7 \div 1 = \underline{\quad}$

f $48 \div 6 = \underline{\quad}$

g $12 \div 4 = \underline{\quad}$

h $72 \div 8 = \underline{\quad}$

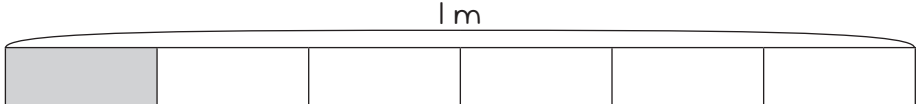

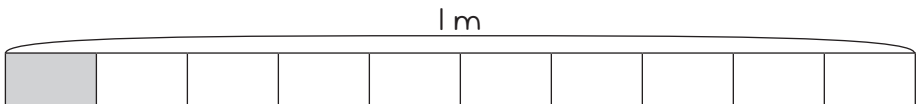




i $63 \div 9 = \underline{\quad}$

j $0 \div 8 = \underline{\quad}$

Written Assessment Lesson 23






1 What is the length of the shaded part?

(7)

a		
b		
c		
d		
e		
f		
g		

2 Complete the table:

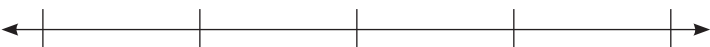


(10)

		Shade the bar diagram to show the fraction	Fraction
a	Four quarters		
b	Three tenths		
c	Two sixths		
d	Five fifths		
e	Seven eighths		

Written Assessment Lesson 31

1 Write the fractions on the number line and compare the.

(9)

	Write the fractions in the correct place on the number lines.	Which fraction is larger?
a	$\frac{3}{4}$ and $\frac{2}{4}$ 	
b	$\frac{7}{10}$ and $\frac{9}{10}$ 	
c	$\frac{1}{3}$ and $\frac{3}{3}$ 	

2 Solve the problems:

 $(2 \times 3 = 6)$

a	Bongi drew a $\frac{3}{6}$ m line in the sand. She then added another $\frac{1}{6}$ m to the line she drew. How long is the line Bongi drew now?	
	Draw the bar diagram.	
	Write the number sentence.	
	Write the answer.	
b	Dad has $\frac{9}{10}$ L of juice. He drinks $\frac{5}{10}$ L of the juice. How much juice does Dad have left?	
	Draw the number line.	
	Write the number sentence.	
	Write the answer.	

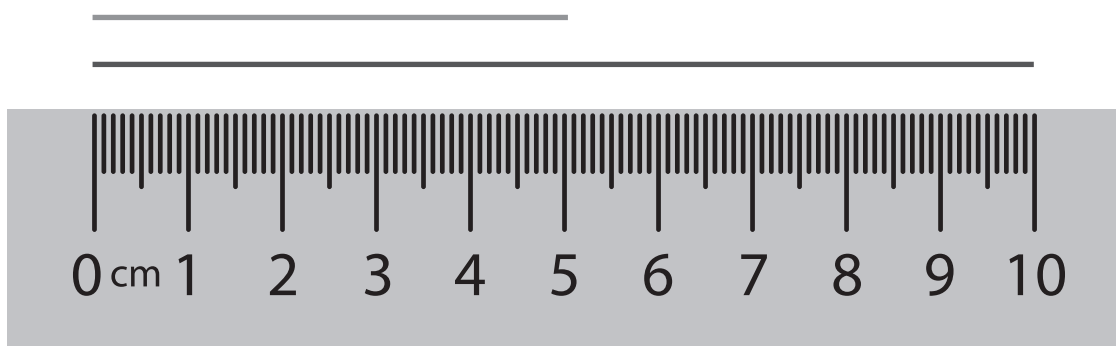
3 Solve the problem:

(3)

Sli has 21 apples. She gives $\frac{2}{3}$ of her apples to her friends. How many apples does she give away?			
Draw the diagram. <table border="1"><tr><td>Dots</td></tr><tr><td>Fractions</td></tr></table>	Dots	Fractions	
Dots			
Fractions			
Write the number sentences to show $\frac{2}{3}$ of 21.			
Write the answer.			

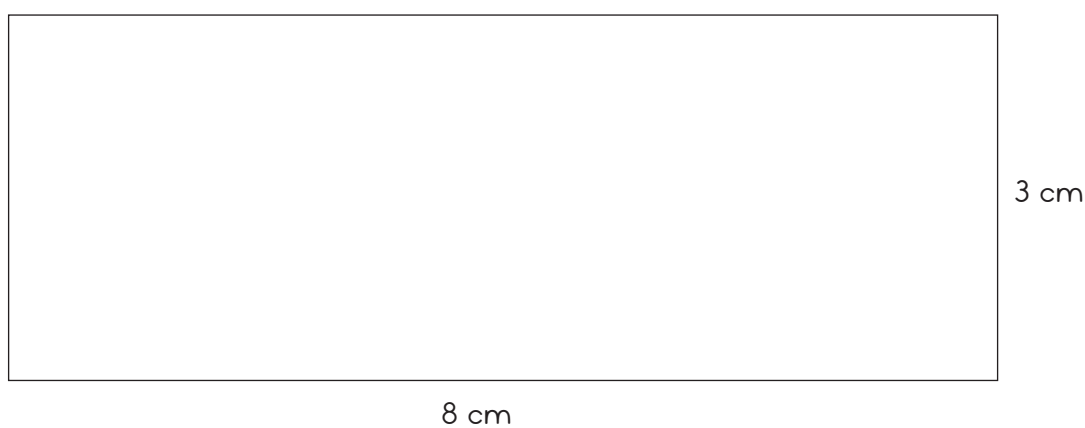
Written Assessment Lesson 38

- 1 Use the ruler in the drawing to find the lengths: (3)

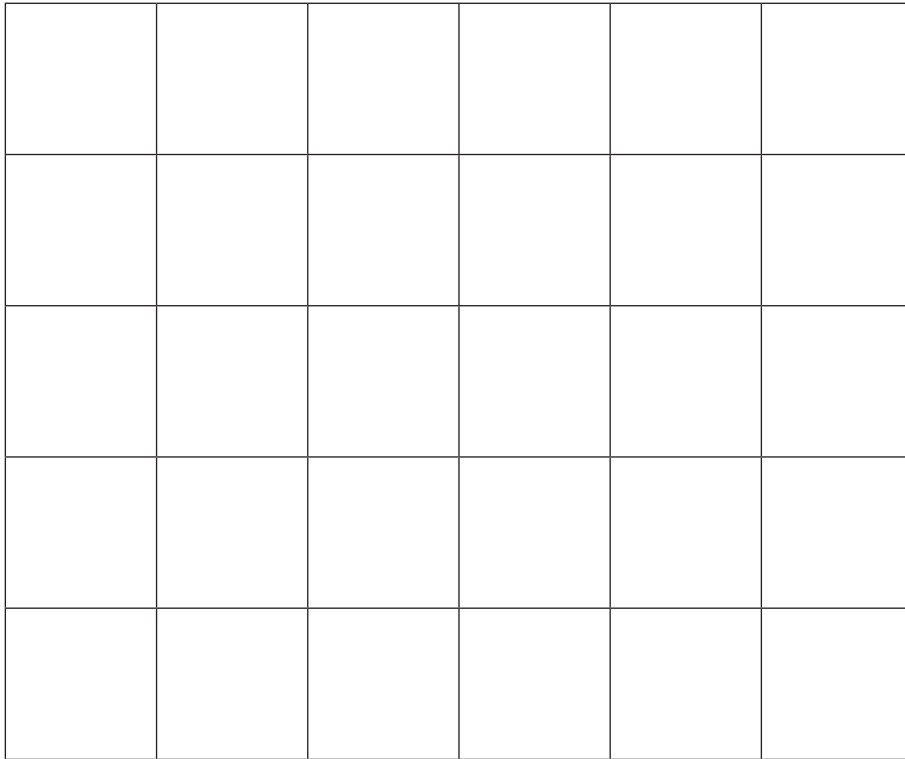


- a How long is the shortest line? _____ cm.
- b How long is the longest line? _____ cm.
- c How long are both lines together? _____ cm.

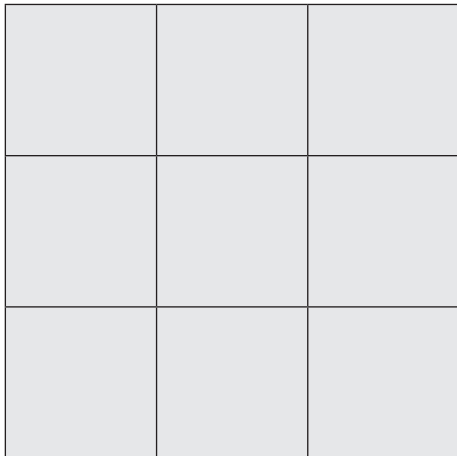
- 2 Calculate the perimeter of this rectangle. (3)



- 3 Draw a shape on the grid with a perimeter of 12 units. (3)

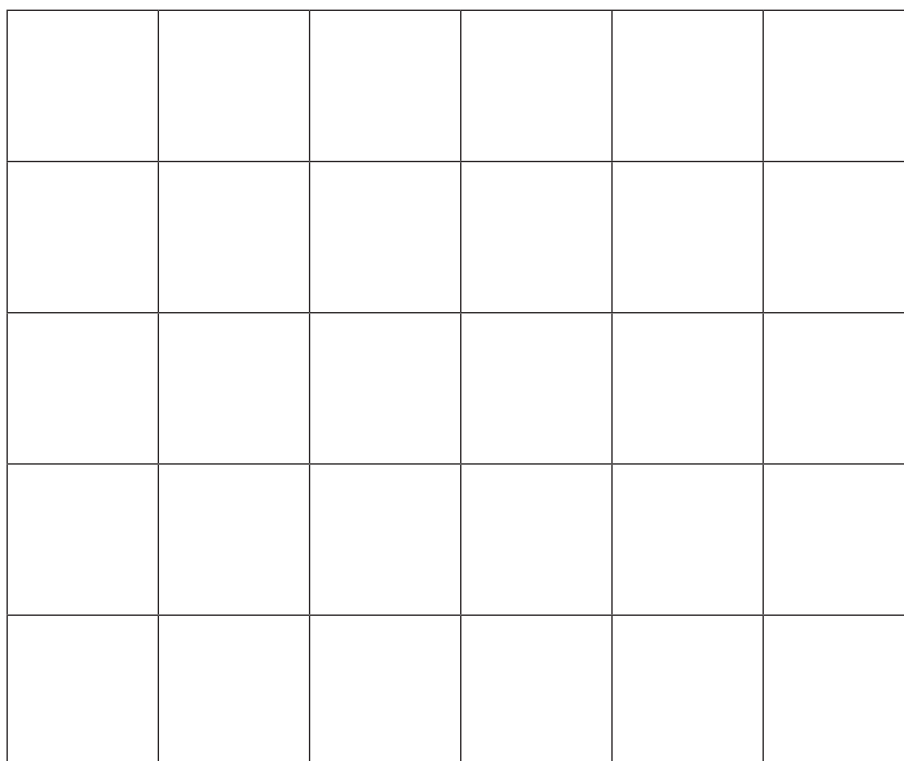


- 4 What is the area of this square? _____ tiles. (2)



5 Draw a shape on the grid with an area of 6 tiles.

(2)



Written Assessment Lesson 43

1 $R5 + R3 =$ _____ (1)

2 $20c + 70c =$ _____ (1)

3 Draw notes to show two different ways to make R100 using only bank notes (2)

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4 Rialivhuwa has four 50c coins and two 20c coins.

a How much money does Rialivhuwa have? _____ (2)

b Apples cost 90c. How much will two apples cost? _____ (2)

c How much money will Rialivhuwa have left if he buys 2 apples?
_____ (2)

5 Lusanda pays R2,50 to take a taxi to school. The train costs R6 for a return ticket.

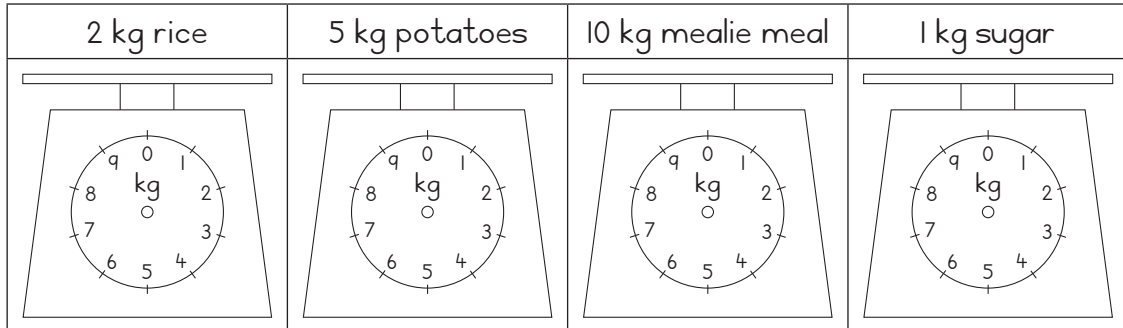
a What is the cost of a return taxi trip? _____ (2)

b What is the cost of a return train trip? _____ (1)

c Which is cheaper, the train or the taxi? _____ (1)

Written Assessment Lesson 49

- 1 Draw the pointers on the kitchen scales to show the masses: (4)



- 2 Use the products from Question 1 to complete the following: (4 × 2 = 8)

a Mom bought mealie meal and rice. What is the total mass of her products?

b I bought some rice, sugar and potatoes. What is the total mass of my products?

c Dad bought sugar and mealie meal. What is the total mass of his products?

d My sister bought mealie meal, sugar and rice. What is the total mass of her products?

- 3 How many grams are there in 1 kg? _____ (1)

- 4 $800\text{ g} - 300\text{ g} =$ _____ (1)

- 5 $1\text{ kg} - 500\text{ g} =$ _____ (1)

