MATHEMATICS

Grade 4

TERM 4 2020

Formal Assessment

Contents

GRADE 4 TERM 4 EXAMINATION PAPER 1

TIME: 1 HOUR **TOTAL: 25 MARKS**

NAME: _____

INSTRUCTIONS

- Answer all the questions in the spaces provided.
- You may not use a calculator.

1. Use the vertical method to find the answer to 34 883 + 76 108 = ☐

	HTh	TTh	Th	H	T	O
		3	4	8	8	3
+		7	6	1	0	8

(2)

2. Use the vertical method to find the answer to 1,32 + 3,89 = ☐

	O	,	t	h
	1	,	3	2
+	3	,	8	9

(3)

ASSESSMENT

3. Use long division to find the answer to 94 ÷ 8 = ☐

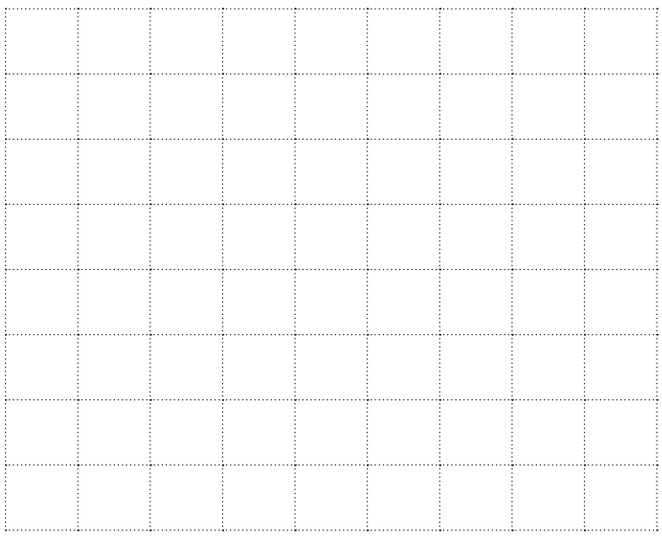
Check your answer using multiplication:

_____ (4)

4. Use the vertical method to find the answer to 563 800 – 481 453 = ☐

(4)

5. Use the vertical method to find the answer to 58 × 37 = ☐



(3)

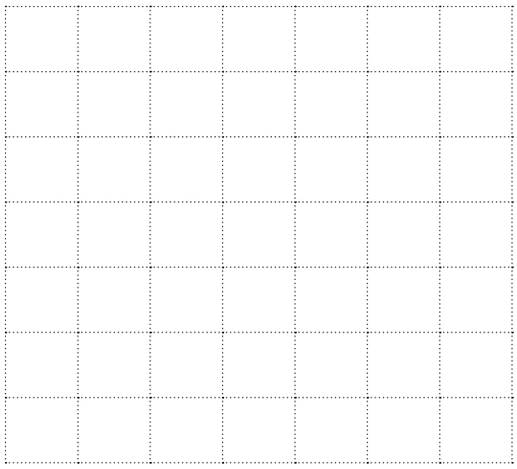
6. A company gives 935 pens to a school.
The pens are divided equally among 9 classes.
How many pens did each class get and how many pens are left over?

a. Underline the numbers and draw a wavy line under the question.

b. Write a number sentence to describe the problem:

_____

c. Work the answer out.



d. How many pens did each class get?

_____

e. How many pens are left over?

_____ (6)

ASSESSMENT

7. I divide one number by another number. The answer is 7.
What numbers have been divided?

Give three possible answers here:

_____ ÷ _____ = 7

_____ ÷ _____ = 7

_____ ÷ _____ = 7 (3)

TOTAL: 25 MARKS

MEMO: GRADE 4 TERM 4 EXAMINATION PAPER 1

TIME: 1 HOUR **TOTAL: 25 MARKS**

	K	RP	CP	PS
1. Use the vertical method to find the answer to 34 883 + 76 108 = ☐ (2)	2			
2. Use the vertical method to find the answer to 1,32 + 3,89 = ☐ (3)	3			
3. Use long division to find the answer to 94 ÷ 8 = ☐ (4)		4		

	HTh	TTh	Th	H	T	O
		1			1	
		3	4	8	8	3
+		7	6	1	0	8
	1	1	0	9	9	1
		✓			✓	

	O		t	h
	1		1	
	1	,	3	2
+	3	,	8	9
	5	,	2	1
	✓		✓	✓

	1	1	✓
8	9	4	
	8		
	1	4	✓
		8	
		6	✓

Check your answer using multiplication:

$(8 \times 11) + 6 = 88 + 6 = 94$ ✓

ASSESSMENT

	K	RP	CP	PS

4. Use the vertical method to find the answer to
563 800 – 481 453 = ☐

	HTh	TTh	Th	H	T	O
					9	
	$^{4}\cancel{5}$	$^{1}\cancel{6}$	3	$^{7}\cancel{8}$	$^{1}\cancel{0}$	10
–	4	8	1	4	5	3
		8	2	3	4	7
		✓		✓	✓	✓

(4)

4

5. Use the vertical method to find the answer to 58 × 37 = ☐

	Th	H	T	O	
			2 5		
			5	8	
×			3	7	
	1	4	0	6	✓
+	1	7	4	0	✓
	2	1	4	6	✓

(3)

3

6. A company gives 935 pens to a school.

The pens are divided equally among 9 classes.

How many pens did each class get and how many pens are left over?

a. Underline the numbers and draw a wavy line under the question.

b. Write a number sentence to describe the problem:
935 ÷ 9 = ☐ ✓

	1	0	3	✓
9	9	3	5	
	9			
	0	3	5	✓
		2	7	
			8	✓

d. How many pens did each class get? (103 pens) ✓

e. How many pens are left over? (8 pens) ✓

(6)

6

		K	RP	CP	PS
7. I divide one number by another number. The answer is 7. The first number is bigger than 10. What numbers have been divided? Give three possible answers here: (14) ÷ (2) = 7 ✓ (21) ÷ (3) = 7 ✓ (28) ÷ (4) = 7 ✓ *Note to the teacher:* *Other answers are possible here.* *The first number should be a multiple of 7 and the second number should be the number you divide by to get 7 as the answer.* *Don't accept 7 ÷ 1 = 7 because the learners are told that the first number is bigger than 10.* (3)					3
TOTAL	**25**	**5**	**11**	**6**	**3**
REQUIRED	(25)	(6)	(11)	(5)	(3)

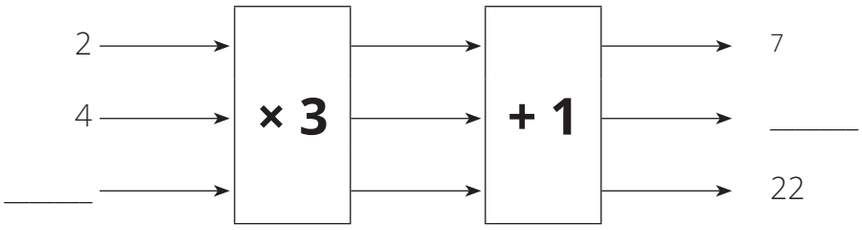
KEY TO THE COGNITIVE LEVELS	
K	Knowledge
RP	Routine Procedures
CP	Complex Procedures
PS	Problem Solving

GRADE 4 TERM 4 EXAMINATION PAPER 2

TIME: 1 HOUR **TOTAL: 25 MARKS**

NAME: _____

1. Complete the flow diagram:



(2)

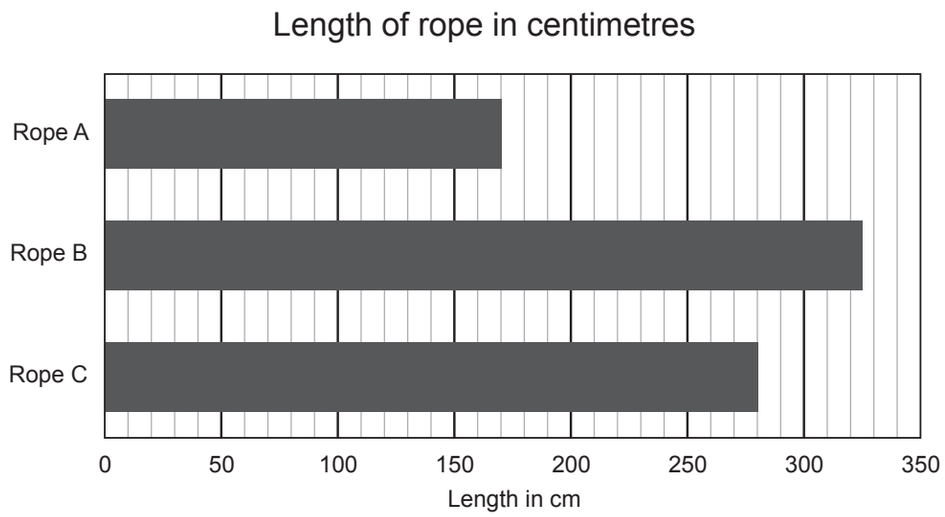
2. Fill in the number of faces in the correct place on the table.

		Number of faces that are:		
		Squares	**Rectangles**	**Triangles**
a.	A dice 			
b.	A cereal box 			
c.	A chocolate box 			

(3)

3. Portia has three pieces of rope.

She draws a bar graph to show the length of each piece of rope.



a. Write the lengths of each piece of rope in centimetres:

Length of Rope A = _____ cm

Length of Rope B = _____ cm

Length of Rope C = _____ cm

b. Arrange the ropes in ascending order (from shortest to longest):

_____

c. What is the difference in length between the longest piece of rope and the shortest piece of rope? Give the answer in metres.

Give the answer in metres _____ (8)

ASSESSMENT

4. **a.** How many hours are there in a day? _____

b. What day is the 5th day after Wednesday? _____

c. How many days are there between 5th November and 18th November? _____

d. An aeroplane leaves Mthatha airport at 13:35 and arrives at Johannesburg airport at 14:50.

How long did the flight take?

Give the answer in hours and minutes.

(7)

5. **a.** 15 000 grams = _____ kg

b. 9,7 kilograms _____ g

c. This puppy has a mass of 500 g.

His mass doubles every month.

What would his mass be at the end of 5 months?

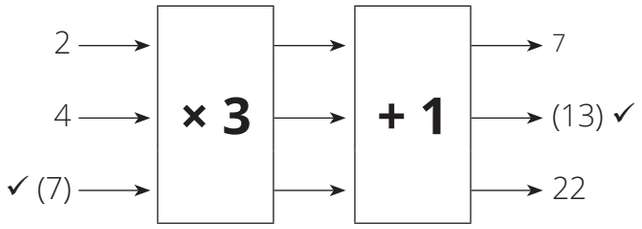
Working out:

Answer: The puppy would have a mass of _____ (7)

TOTAL: 25 MARKS

MEMO: GRADE 4 TERM 4 EXAMINATION PAPER 2

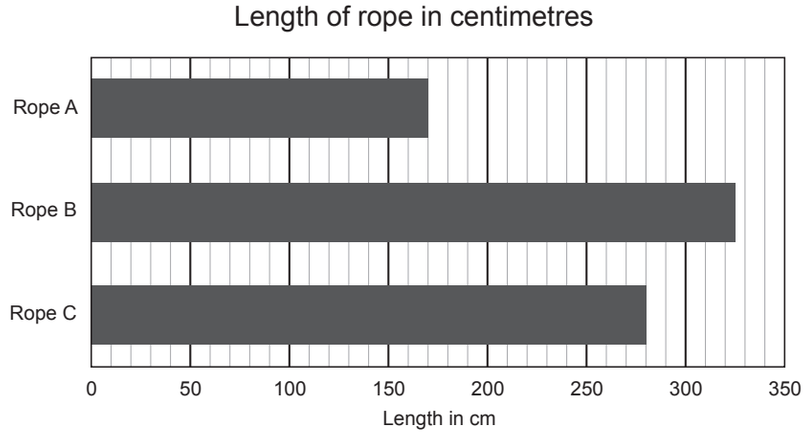
TIME: 1 HOUR **TOTAL: 25 MARKS**

	K	RP	CP	PS
1. Complete the flow diagram:  (2)		2		
2. Fill in the number of faces in the correct place on the table.	3			

		Number of faces that are:			
		Squares	**Rectangles**	**Triangles**	
a.	A dice 	**(6)**			✓
b.	A cereal box 	(2)	(4)		✓
		(It is also correct if the learners write no squares and 6 rectangles)			
c.	A chocolate box 		(3)	(2)	✓

(To earn 1 mark the learners have to get all faces correct) (3)

	K	RP	CP	PS
3. Portia has three pieces of rope. She draws a bar graph to show the length of each piece of rope.		8		



a. Write the length of each piece of rope in centimetres:

Length of Rope A = (170) ✓ centimetres

Length of Rope B = (325) ✓ centimetres

Length of Rope C = (280) ✓ centimetres

b. Arrange the ropes in ascending order (from shortest to longest):

Rope A; Rope C; Rope B ✓

c. What is the difference in length between the longest piece of rope and the shortest piece of rope?

Give the answer in metres.

Some possible calculations are:

	H	T	O
	^{2}		
	~~3~~	^{1}2	5
–	1	7	0
	1	5	5
	✓	✓	✓

	O	,	t	h
	^{2}			
	~~3~~	,	^{1}2	5
–	1	,	7	0
	1	,	5	5
	✓		✓	✓

170 cm + 30 cm = 200 cm ✓

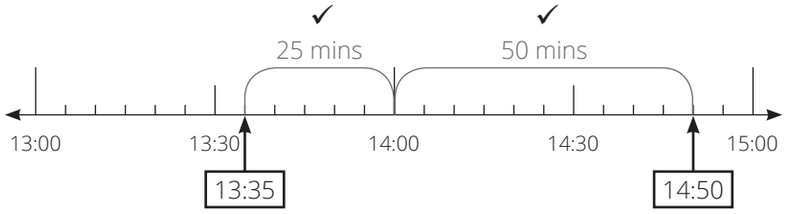
200 cm + 100 cm = 300 cm ✓

300 cm + 25 cm = 325 cm ✓

30 cm + 100 cm + 25 cm = 155 cm

Give the answer in metres: (1,55) ✓ metres (8)

ASSESSMENT

		K	RP	CP	PS
4.	a. How many hours are there in a day? (24 hours) ✓	1			
	b. What day is the 5th day after Wednesday? (Monday) ✓				
	c. How many days are there between 5th November and 18th November? (13 days) ✓		2		
	d. An aeroplane leaves Mthatha airport at 13:35 and arrives at Johannesburg airport at 14:50.  How long does the flight take? Give the answer in hours and minute. *There are many different possible solutions. Here are two:* (13:35 + 25 minutes = 14:00 ✓ 14:00 + 50 minutes = 14:50 ✓ 25 minutes + 50 minutes = 75 minutes ✓ = 1 hour 25 minutes) ✓			4	
	OR:  25 minutes + 50 minutes = 75 minutes ✓ = 1 hour 25 minutes) ✓ (7)				

		K	RP	CP	PS
5. a.	15 000 grams = (15) ✓ kilograms	2			
b.	9,7 kilograms = (9 700) ✓ grams				
c.	This puppy has a mass of 500 g. His mass doubles every month. What would his mass be at the end of 5 months?  Working out: *Two possible answers are:* After 1 month: 2 × 500 g = 1 000 g = 1 kg After 2 months: 2 × 1 kg = 2 kg After 3 months: 2 × 2 kg = 4 kg ✓ for working out After 4 months: 2 × 4 kg = 8 kg After 5 months: 2 × 8 kg = 16 kg. OR After 1 month: 2 × 500 g = 1 000 g After 2 months: 2 × 1 000 g = 2 000 g After 3 months: 2 × 2 000 g = 4 000 g ✓ for working out After 4 months: 2 × 4 000 g = 8 000 g After 5 months: 2 × 8 000 g = 16 000 g. Answer: The puppy would have a mass of (16 kg ✓) or (16 000 g ✓) (5)				3
TOTAL		**25**	**6**	**12**	**4**	**3**
REQUIRED		(25)	(6)	(11)	(5)	(3)

KEY TO THE COGNITIVE LEVELS	
K	Knowledge
RP	Routine Procedures
CP	Complex Procedures
PS	Problem Solving