



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

MARKS	
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ANNUAL NATIONAL ASSESSMENT 2013 GRADE 5 MATHEMATICS TEST

MARKS: 60

TIME: 1½ hours

PROVINCE _____

REGION _____

DISTRICT _____

SCHOOL NAME _____

EMIS NUMBER (9 digits)

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CLASS (e.g. 5A) _____

SURNAME _____

NAME _____

GENDER (✓)

BOY	
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GIRL	
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DATE OF BIRTH

C	C	Y	Y	M	M	D	D
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This test consists of 12 pages, excluding the cover page.

Instructions to the learner

1. Read all the instructions carefully.
2. Question 1 consists of 8 multiple-choice questions. Circle the letter of the correct answer.
3. Answer questions 2 to 21 in the spaces or frames provided.
4. All working must be done on the question paper and not on rough paper.
5. The test counts 60 marks.
6. The test duration is 1½ hours.
7. The teacher will lead you through the practice exercise before you start the test.
8. You may not use a calculator.

Practice exercise

Circle the letter of the correct answer.

$$8 \times 6 =$$

- A 48
- B 84
- C 72
- D 60

You have answered correctly if you have circled A above.

NOTE:

- You will answer more questions like the one you have just completed.
- Do your best to answer each question even if you are not sure of the answer.
- Write down the answer that you think is the best and move to the next question.
- When you have answered all the questions on a page, move to the next page.
- Look only at your own work.

The test starts on the next page.

1. Circle the letter of the correct answer.

1.1 4 500 ; 4 625 ; 4 750 ; 4 875 ; _____ ; 5 125.

The missing number in the above number sequence is:

A 4 975

B 5 000

C 5 050

D 5 025

(1)

1.2 Which number consists of the following:

$6H + 4Th + 2T + 9Tth + 5U$?

A 49 625

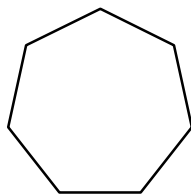
B 94 265

C 94 562

D 94 625

(1)

1.3



The above shape is called a/an ...

A hexagon.

B pentagon.

C heptagon.

D octagon.

(1)

1.4 The third multiple of 12 is:

- A 24
- B 36
- C 48
- D 12

(1)

1.5



The above object has ...

- A only flat faces.
- B only curved faces.
- C curved and flat faces.
- D no faces.

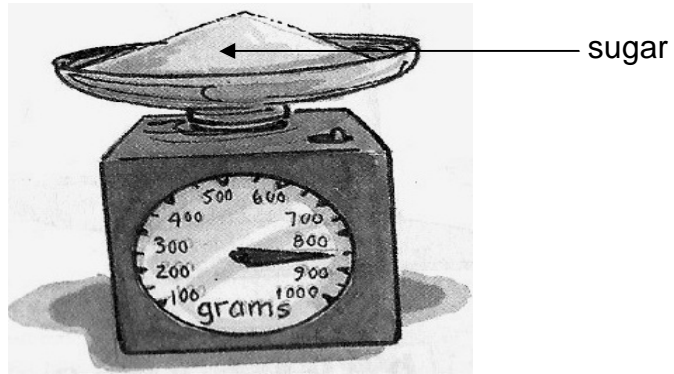
(1)

1.6 The distance from Johannesburg to Cape Town is 1 405 ...

- A millimetres.
- B kilometres.
- C centimetres.
- D metres.

(1)

1.7



The mass of the sugar shown on the above scale is:

A 850 g

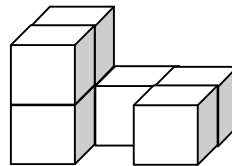
B 85 g

C 850 kg

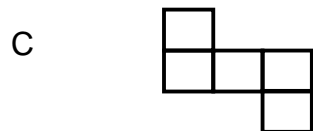
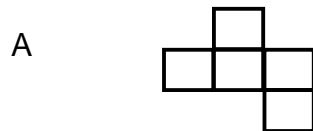
D 805 g

(1)

1.8



Which one of the following 2-D shapes shows the front view of the above 3-D object?



(1)

2. Complete:

2.1 33 754 rounded off to the nearest 5 \approx _____ (1)

2.2 99 999 rounded off to the nearest 1 000 \approx _____ (1)

3. Write down the value of the underlined digit in the number 273 456.

_____ (1)

4. Replace the * by $>$, $<$ or $=$ to make the following statement true:

$\frac{3}{8} * \frac{1}{2}$ _____ (1)

5. Which factor of 18 is missing in the list 1, 2, 3, 4, 6, 18? _____ (1)

6. Balls are arranged in groups as indicated in the table below. Fill in the missing numbers on the table.

Group	1	2	3	9	
Number of balls	3	5	7		51

(2)

7. True or False?

7.1 $51 + 22 = 22 + 51$ _____ (1)

7.2 $24 \div 5 = 5 \div 24$ _____ (1)

7.3 $3(5 + 6) = (3 \times 5) + (3 \times 6)$ _____ (1)

8. Calculate the answers for questions 8.1–8.6.

8.1 $11\,523 + 21\,275 + 7\,356$



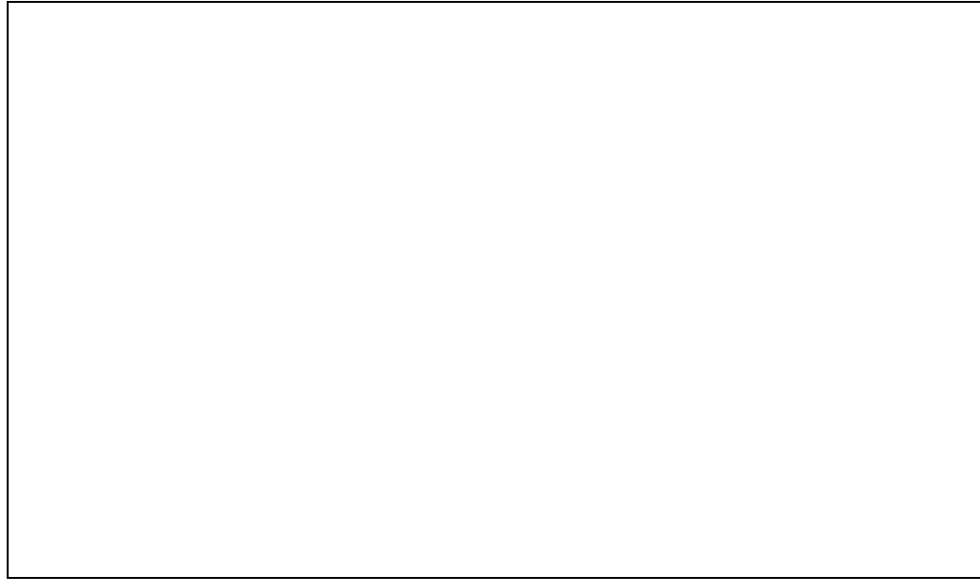
(2)

8.2 $69\,157 - 17\,239$



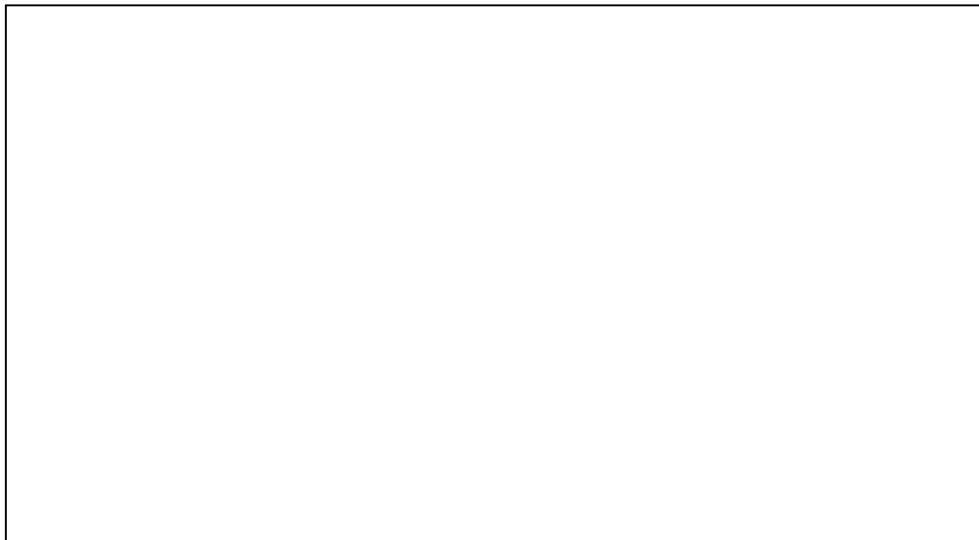
(2)

8.3 976×54



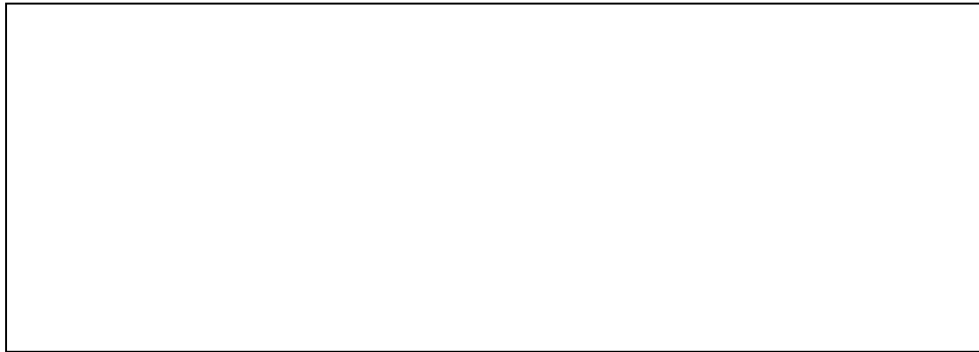
(3)

8.4 $737 \div 9$



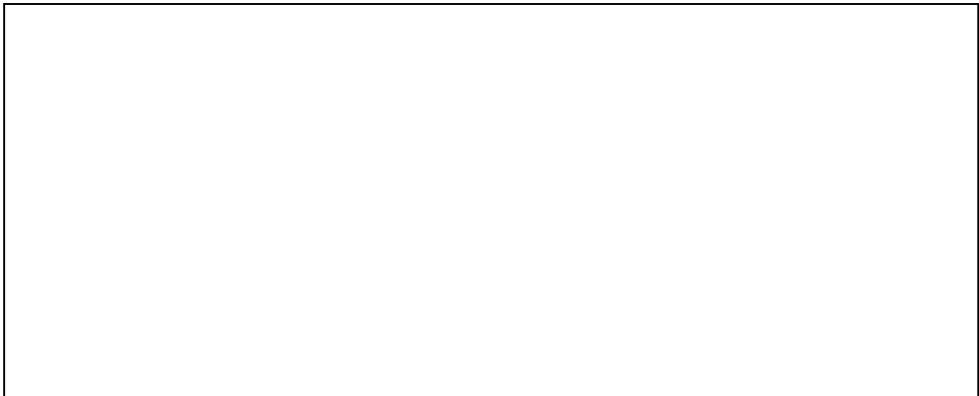
(3)

8.5 $6\frac{1}{7} + 2\frac{2}{7}$



(2)

8.6 $3\frac{3}{5} - 1\frac{1}{5}$



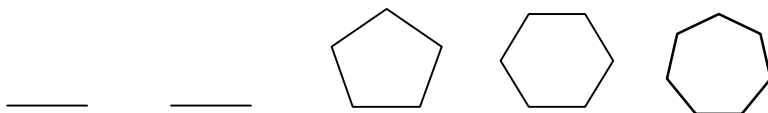
(2)

9. What will the next number in the number pattern be?

1 ; 3 ; 2 ; 4 ; 3 ; 5 ; ____.

(1)

10. Draw the first 2 diagrams in the following diagram pattern:



(2)

11. Mr Mabuzi earned R4 200 for working 60 hours. How much did he earn per hour?

(2)

12. Write an open number sentence for the following sum:

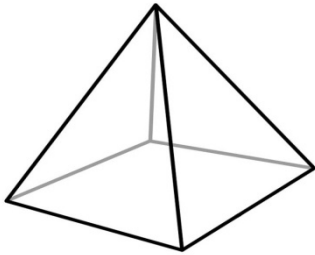
The sum of four numbers is 20 500. Three of the numbers are 2 341, 578 and 10 690. What is the fourth number?

(2)

13. Mr Abrahams bought tickets for the Justin Bieber concert for the 4 members of his family at R320 each. How much did the 4 tickets cost altogether?

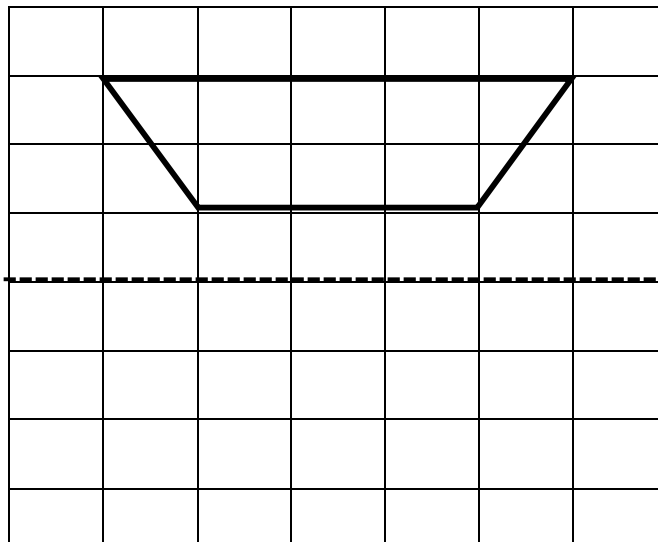
(2)

14. Complete the table:

Object	Name of object	Number of faces	Name the shape(s) of the faces
	<p>Square-based pyramid</p>		

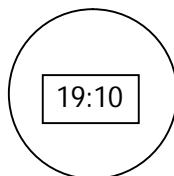
(3)

15. Draw the reflection of the quadrilateral on the dotted line.



(1)

16.



Write the time on the above digital clock face in analogue time.

(1)

17. Use the list of the times taken by 4 athletes in a race to answer the question that follows.

Name of athlete	Time taken
Kayla	41:15 sec
Zaheda	40:45 sec
Faeenza	38:10 sec
Lindi	39:40 sec





What is the time difference between the runner who came first and the runner who came fourth?

(2)

18. Complete: $3\,460\text{ ml} = \underline{\hspace{1cm}}\text{ l } \underline{\hspace{1cm}}\text{ ml}$.

(2)

19. Look at the following weather chart below and answer the questions that follow.

<u>WEATHER CHART</u>		
	MONDAY	TUESDAY
Durban	17 ⁰ C–9 ⁰ C 	22 ⁰ C–26 ⁰ C 
Cape Town	11 ⁰ C–15 ⁰ C 	15 ⁰ C–17 ⁰ C 

- 19.1 What was the maximum temperature in Durban on Monday?

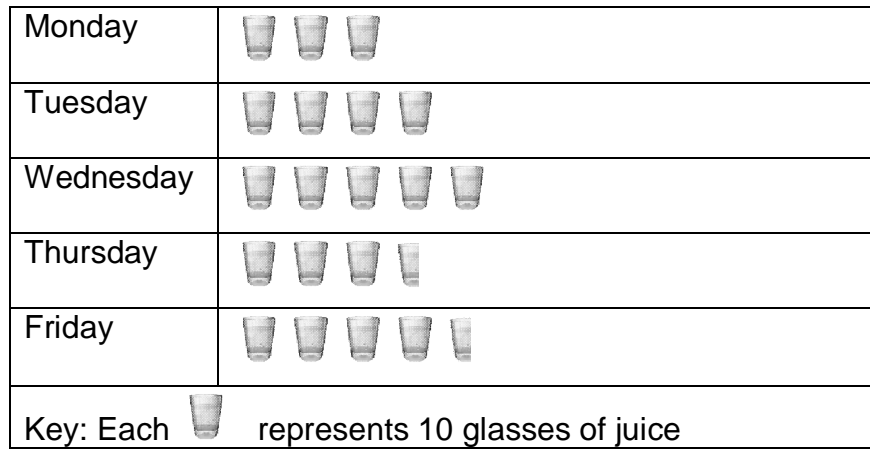
(1)

- 19.2 What was the minimum temperature in Cape Town on Tuesday?

(1)

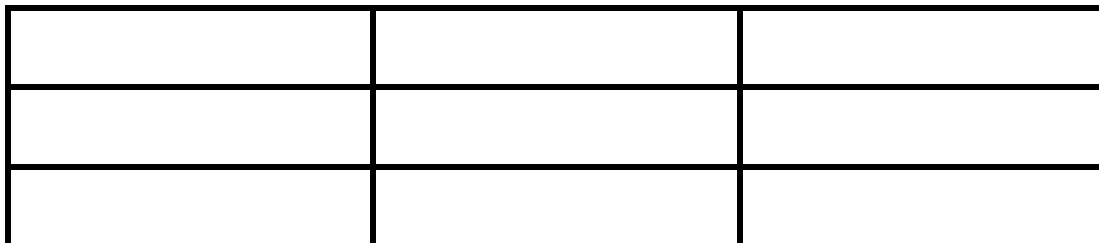
20. Study the following pictograph below and then answer the questions that follow.

NUMBER OF GLASSES OF JUICE SOLD



- 20.1 On which day were the most glasses of juice sold?
 _____ (1)
- 20.2 Draw tally marks to show how many glasses of juice were sold on Thursday.
 _____ (2)
- 20.3 How many glasses of juice were sold on Friday?
 _____ (1)
- 20.4 If each glass of juice costs R2,00, how much was paid for the juice on Monday?
 _____ (2)

21. How many rectangles in total are in this diagram?



The number of rectangles = _____

TOTAL: 60