basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

MARKS	

ANNUAL NATIONAL ASSESSMENT 2013
GRADE 5 MATHEMATICS TEST

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 x 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)
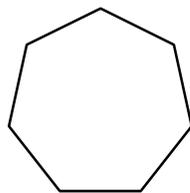
1.2   Which number consists of the following:

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.

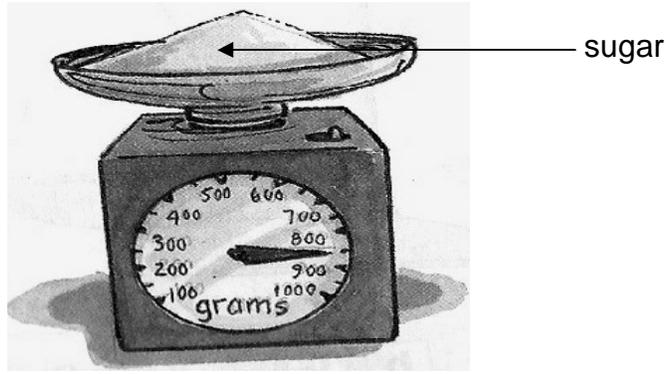B   only curved faces.

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

sugar

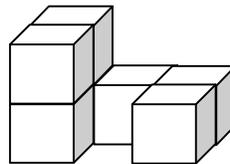The mass of the sugar shown on the above scale is:

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?

A

B

C

D

(1)

2. Complete:

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

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

3. Write down the value of the underlined digit in the number 2̲73 456.

_____   (1)

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

$\dfrac{3}{8}$ * $\dfrac{1}{2}$ _____   (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 ÷ 5 = 5 ÷ 24   _____   (1)

7.3   3(5 +6) = (3 x 5) + (3 x 6)   _____   (1)

8. Calculate the answers for questions 8.1–8.6.
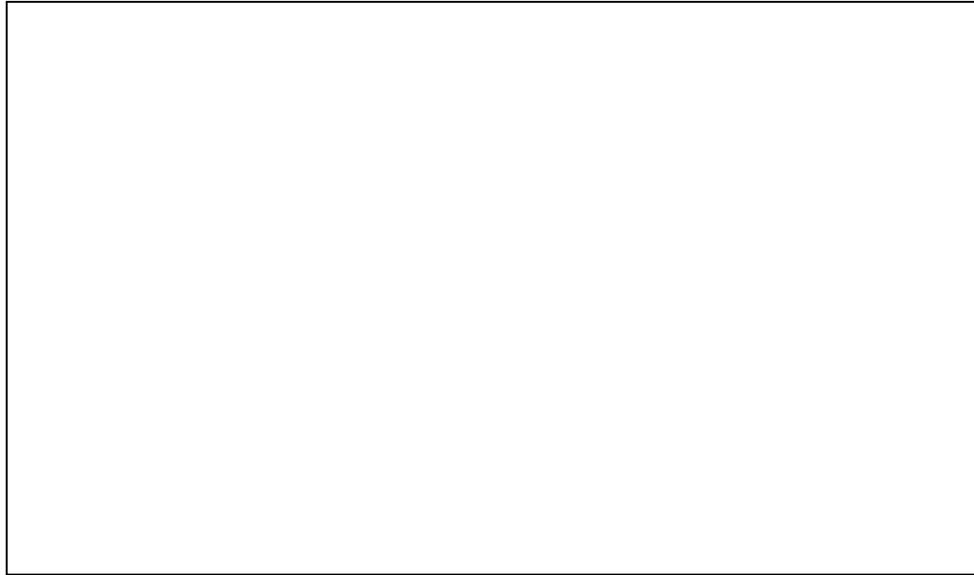
8.1 11 523 + 21 275 + 7 356

(2)

8.2 69 157 - 17 239

(2)

8.3   976 x 54

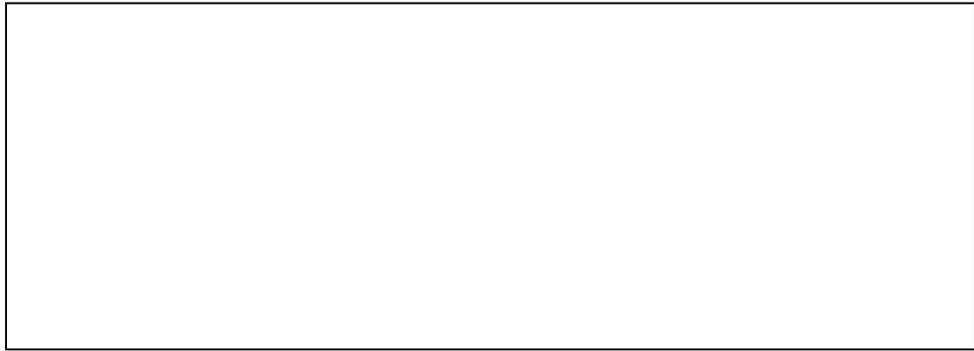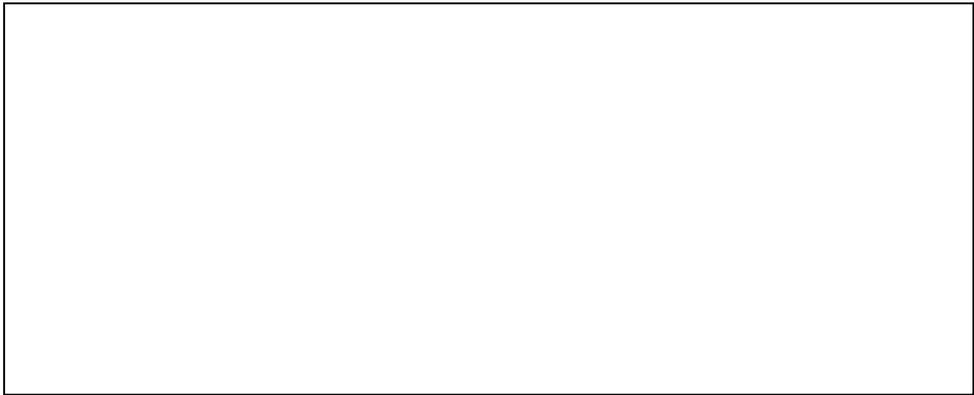(3)

8.4   737 ÷ 9

(3)

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

(2)

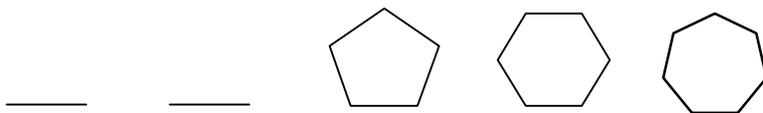8.6 $3\frac{3}{5} - 1\frac{1}{5}$

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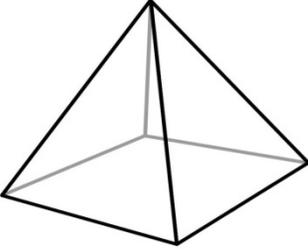
The sum of four numbers is 20 500. Three of the numbers are 2 341, 578 and 10 690. What is the fourth number?

_____ (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?
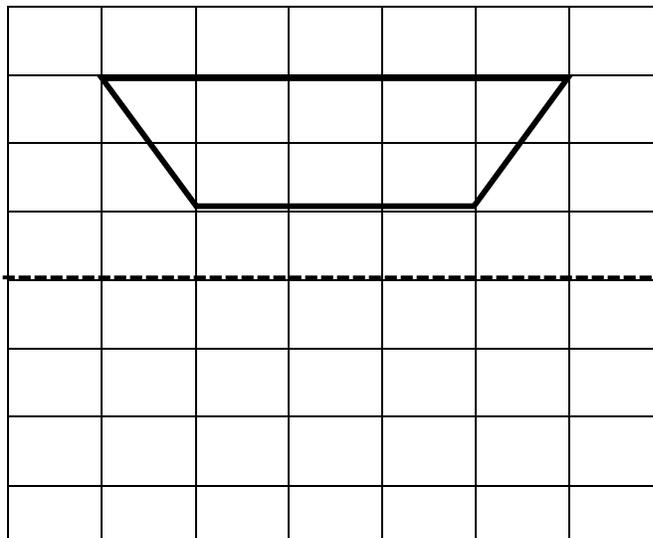
(2)

14. Complete the table:

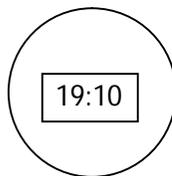| Object	Name of object	Number of faces	Name the shape(s) of the faces
	Square-based pyramid		

(3)

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

(1)

16.

19:10

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
Faeeza	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 mℓ = _____ ℓ _____ mℓ. (2)

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

WEATHER CHART

	MONDAY	TUESDAY
Durban	17^0C–9^0C	22^0C–26^0C
Cape Town	$11\ ^0$C–15^0C	$15\ ^0$C–$17\ ^0$C

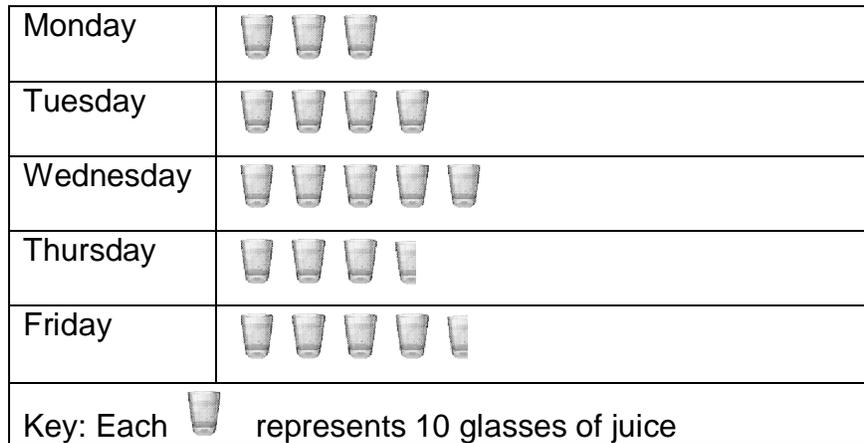19.1 What was the maximum temperature in Durban on Monday?

_____ (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

Monday	🥛 🥛 🥛
Tuesday	🥛 🥛 🥛 🥛
Wednesday	🥛 🥛 🥛 🥛 🥛
Thursday	🥛 🥛 🥛 🥛
Friday	🥛 🥛 🥛 🥛 🥛
Key: Each 🥛 represents 10 glasses of juice	

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?

(2)

The number of rectangles = _____

TOTAL: 60