basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

ANNUAL NATIONAL ASSESSMENT 2015

GRADE 5 MATHEMATICS TEST

MARKS: 60

MARKS	

TIME: $1\frac{1}{2}$ **hours**

PROVINCE_____

DISTRICT _____

CIRCUIT_____

SCHOOL _____

EMIS NUMBER (9 digits)

CLASS (e.g. 5A) _____

SURNAME _____

NAME_____

GENDER (✓)

BOY			GIRL	

DATE OF BIRTH

C	C	Y	Y	M	M	D	D

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 9 multiple-choice questions. Circle the letter of the correct answer.

3. Answer questions 2 to 18 in the spaces or frames provided.

4. All working must be shown on the question paper and must not be done on rough paper.

5. The test is out of 60 marks.

6. The test duration is 90 minutes.

7. The teacher will lead you through the practice question before you start the test.

8. You may not use a calculator.

Practice question

Circle the letter of the correct answer.

8 x 6 =

    A   48

    B   84

    C   72

    D   60

You have answered the question correctly if you circled **A**.

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, turn over 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   (6 x10 000) + (8 x 1 000) + (5 x 100) + (3 x 1) =

        A   6 853

        B   685 053

        C   65 503

        D   68 503   (1)

1.2   The multiples of 40 between 0 and 100 are …

        A   20 and 40

        B   40 and 80

        C   40 and 60
                                                                                (1)
        D   80 and 100

1.3   The next number in the number sequence

        213 972 ;   214 972 ;   215 972 ;   …,   is …

        A   215 072
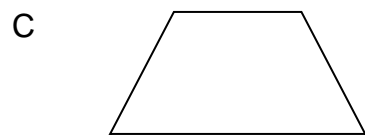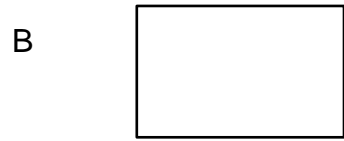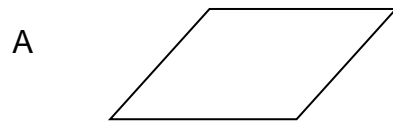
        B   216 982

        C   216 972

        D   214 072   (1)

1.4   Which one of the following figures has 4 right angles?

A

B

C

D
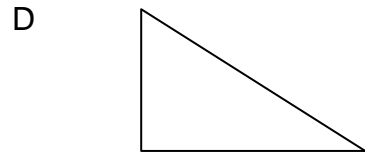
(1)

1.5   Which view of the shoe is shown?

A   Top view

B   Side view

C   Front view

D   Back view   (1)

1.6   80 cm converted to millimetres is …

A   800 mm

B   8 mm

C   8 000 mm

D   80 mm   (1)

1.7   The value of the digit 8 in 785 329 is …

A   8 000

B   800 000

C   80 000

D   800   (1)

1.8   15 147 rounded off to the nearest 1 000 is …

A   15 150

B   16 000

C   15 100

D   15 000   (1)

1.9   Which one of the following shows all the factors of 18?

A   2, 3, 6, 9

B   1, 2, 3, 6, 9, 18

C   18, 36, 54, ...

D   2, 9   (1)

                                                                            [9]

2.   Complete the given number sequence below.

1 004; 1 002; 1 000 ; _____; _____; 994.   [2]

3.   If 38 + 15 = 53, then 53 − 15 =   _____.   [1]

4.   Complete the table.

Input value	1	2	3	6
Output value	4	7	10	

[1]

5.   Complete: $\dfrac{20}{25} = \dfrac{}{5}$ [1]
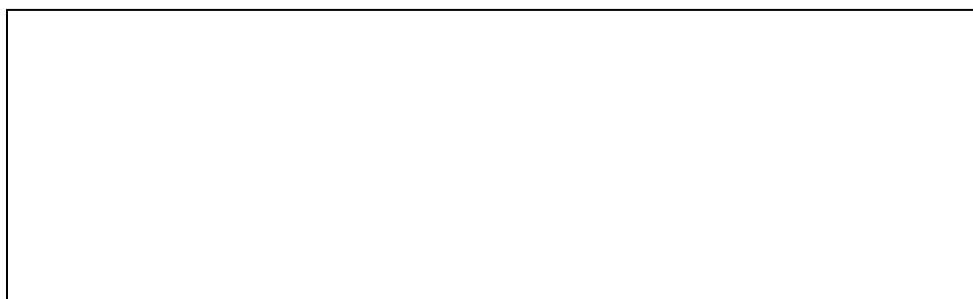
6. Calculate the answers for questions 6.1 to 6.6.

6.1 84 509 + 33 095

(2)

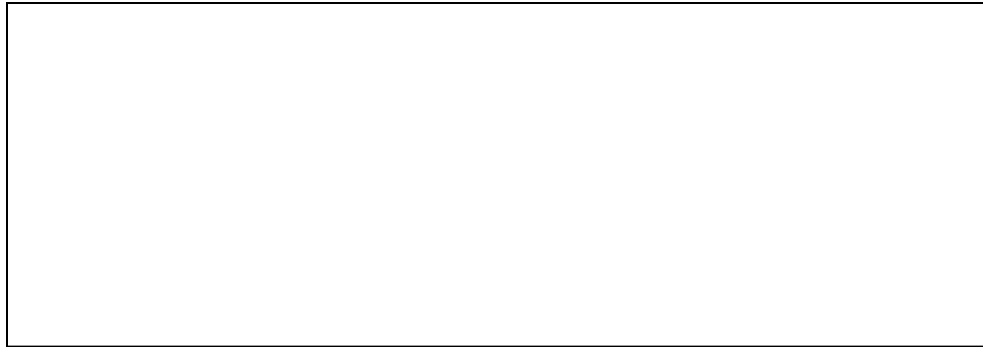6.2 96 974 – 5 381

(2)

6.3 547 x 42

(3)

6.4 $774 \div 18$

(3)

6.5 $5\frac{2}{7} + 3\frac{5}{7}$

(2)

6.6 $6 - 4\frac{3}{4}$

(2)

[14]

7. Calculate how many weeks, days and hours there are in
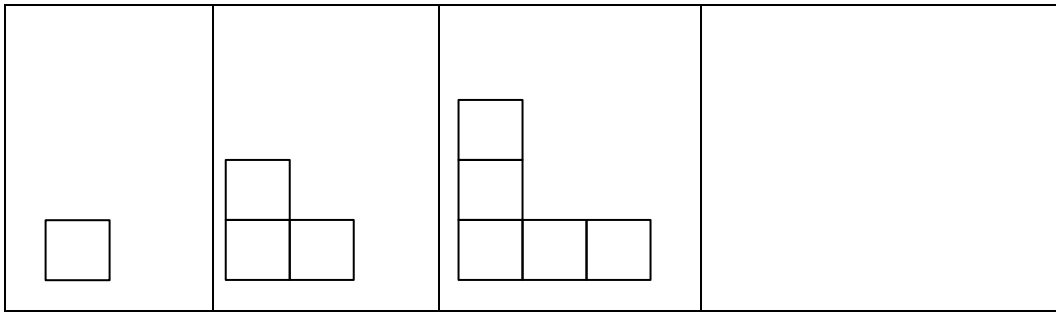
4 days 10 hours + 7 days 16 hours

=_____

=_____

=_____   [3]

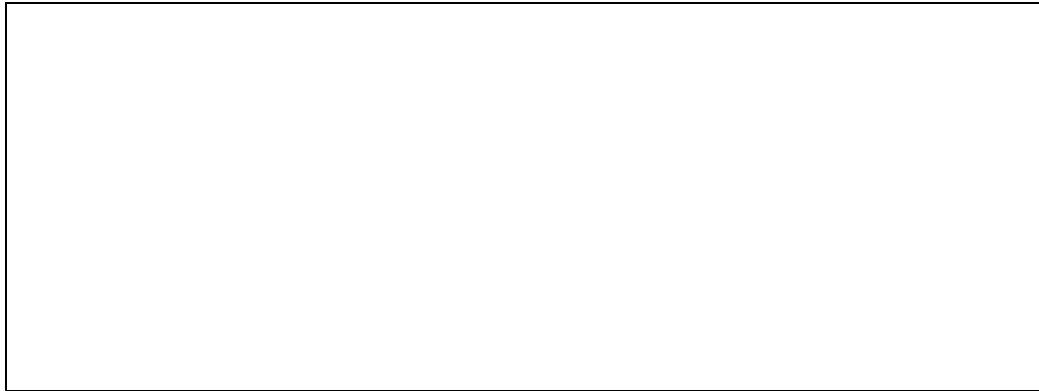8. Draw the next shape in the diagram pattern below.

[1]

9. The distance from Malusi's home to school is 8 km. If he cycles to school
and back home every day, how many kilometres does he cycle in 5 days?

[2]

10.   Mr de Bruin has 10 head of cattle. He sells each animal for R4 750.

     10.1   Calculate how much he should receive altogether.

(2)

     10.2   How much should he receive if he sells 5 animals at the same price?

(2)

[4]

11.   Complete each conversion:

(1)

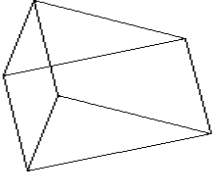   11.1   2 kg 63 g = _____ g

     11.2   3 500 mℓ = _____ ℓ (1)

[2]

9

12.   Fill in the missing number in each number sentence:

    12.1   70 x 8 = 10 x _____   (1)

    12.2   17 + 13 + 104 = 13 + 17 + _____ + 4   (1)

                                                              [2]
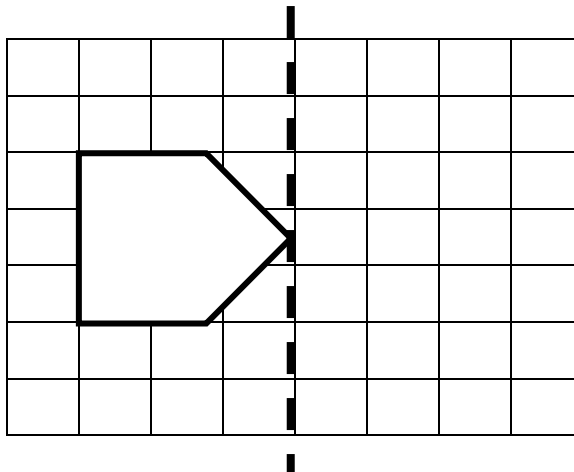
13.   Complete the table.

Triangular Prism	Shapes of Faces	Total Number of Faces
	a. b.	c.

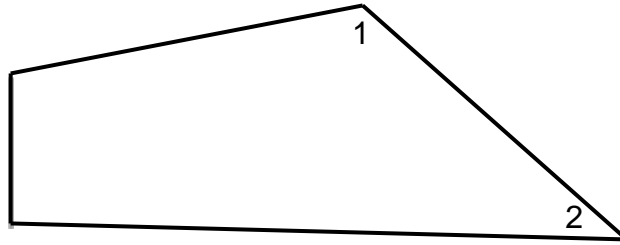   [3]

14.   Draw the reflection of the following figure on the right-hand side of the dotted line.

                                                             [2]

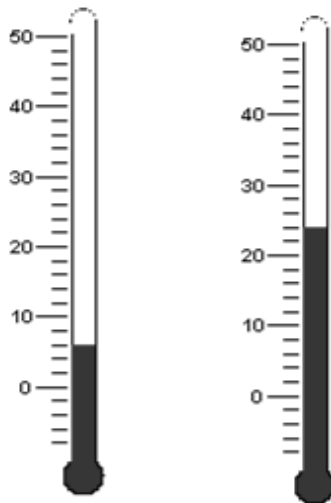15. Fill in the words "is smaller than" or "is greater than" in the sentences to make true statements.

15.1 The angle marked 1 _____a right angle. (1)

15.2 The angle marked 2 _____ a right angle. (1)
[2]

16. The pictures of the thermometers below show the morning and afternoon temperatures, in degrees Celsius, on 11th July 2015, in Queenstown.

Morning °C   Afternoon °C

16.1. What was the temperature in the morning? _____ (1)

16.2. What was the temperature difference between the morning and the afternoon?

_____ (2)
[3]

Grade 5 Mathematics Test

17. Complete the table which shows the shoe sizes of a number of Grade 5 learners.

Shoe sizes	Tally marks	Frequency
2	///	3
3		12
4	卌 //	7
5	///	
6		1

(3)

17.1 What is the most common shoe size?

_____ (1)

17.2 How many learners wear size 2 shoes?
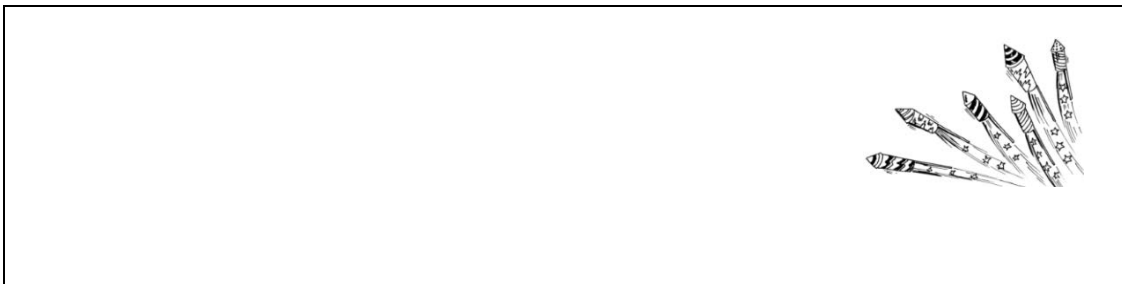
_____ (1)

17.3 How many more learners wear size 4 shoes than size 6 shoes?

_____ (1)

[6]

18. Emma bought firework rockets. Some rockets exploded into 3 stars and some made 4 stars. How many rockets of each kind were fired to make 15 stars altogether?

[2]

TOTAL: **[60]**

Grade 5 Mathematics Test