Grade 5 **Mathematics** **2015**
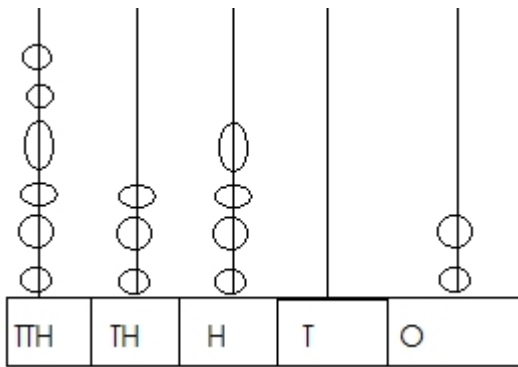
Mock Examination

Marks: 80

Paper 1

Instructions

1. Answer all questions
2. Show all necessary working on this sheet
3. This paper has two sections. Section A has 20 multiple choice questions
4. In section A circle (O) the correct option only on the answer grid provided.

Section A

Question 1

i)   What is the number shown by the abacus?

Question 2

What is the value of 3 in 63 241

Question 3

The number 21 999 in expanded form is

Question 4

The sum of 57 438 and 14 127 is…

Question 5

2

a. 3
b. 6
c. 9
d. 18

The HCF of 18 and 30 is

Question 6

What is 23.1 – 0.35

Question 7

The multiples of 5 between 9 and 28

Question 8

What is the product of 48 x 28?

Question 9

Twenty five and sixty three hundredths in numerals is…

Question 10

The fraction of a turn that the minute hand turns through as it moves

From 6 to 9 is

Question 11

What is 85 729 rounded off to the nearest Thousand
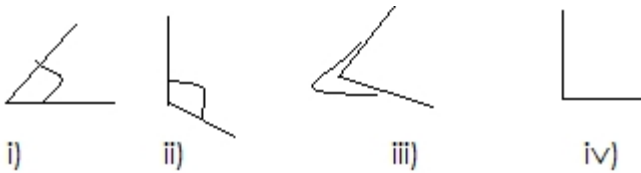
a.	80 000
b.	85 700
c.	85 720
d.	86 000

a.	>
b.	<
c.	=
d.	?

Question 12.

The correct symbol to compare the two decimal factions

0.55 [   ] 0.455

Question 13

Choose an obtuse angle below

i)   ii)   iii)   iv)

a.	(i)
b.	(ii)
c.	(iii)
d.	(iiii)

Question 14

How many line of symmetry does the figure have?

a.	1
b.	2
c.	3
d.	4

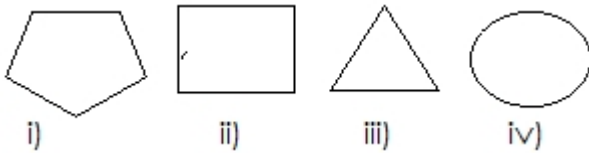## Question 15

Using the scale 1:100 find the distance on the plan if the distance on the ground is 500cm in metres

a. 500m
b. 200m
c. 50m
d. 5m

Question 16

Choose a quadrilateral below:

i)   ii)   iii)   iv)

a. 4 pieces
b. 5 pieces
c. 9 pieces
d. 10 pieces

Question 17

What is 6/18 in its simplest form?

a. 1/3
b. 1/6
c. 2/6
d. 3/9

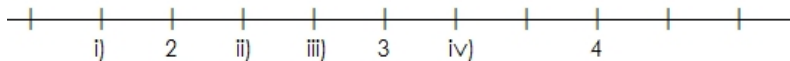**Question 18**

Write 2:03pm in 24hr time

a. 0230hrs
b. 0203hrs
c. 1403hrs
d. 1430hrs

Question 19

Which roman figure represents 3 1/3 on the number line below?

i)   2   ii)   iii)   3   iv)   4

a. 16/5
b. 29/5
c. 35/5
d. 39/5

Question 20

5

What could be the new number if you removed 2 from the Tens?

8 432

a. 8 412
b. 8 430
c. 8 434
d. 8 452

[40 Marks]

Section B

Question 21

Match the following using arrows:

a.	Parallel	angle less than 90°
b.	Acute	figure with four sides
c.	Quadrilateral	lines that never meet
d.	Protractor	construct a circle
e.	Compass	to measure angles

[5]

Question 22

i)   Find the HCF of 24 and 36

ii)   Arrange these decimal fractions starting with the largest

1.5   0.69   1.59   [3]

Question 23

a. Represent 21 364 on the spike abacus below.   [1]

| TTH | TH | H | T | O |

b. Write the number in (a) in expanded form

c. What is the value of 1 in this number?

d. round off this number to the nearest hundred

Question 24

Fill in the blanks spaces

12 Hr.	24Hr
a. 11:05AM	
b.	1406Hrs
c. 1:45AM	
d.	12 midnight
e. 12:01PM	

Question 25

WORK OUT

    a.   4 235 x 22

a. _____[3]

    b.   5 344 ÷ 2

b. _____[3]

Question 26

Write down:

    a.   Odd numbers between 6 and 10

a. _____[2]

    b.   Even numbers between 15 and 21

b. _____[3]

    c.   Prime numbers between 10 and 20

c. _____[4]

d. _____[1]

    d.   Common factors between 5 and 6

Question 27

Using a protractor, pencil, and a ruler draw the following

a.   [3]

a. 50°

b. 110°

c. Name the angle in (b)

Question 28

Complete the sequences below

    a. 2, 5, 11, _____, _____   [2]

    b. 55, 105, 155, _____, _____, _____ [3]

Question 29

Compare the following using <, > or =

a.	13 524	13 624
b.	90 001	ninety-one thousand
c.	20 192	20 000 + 100 + 90 + 1
d.	57 887	87 557
e.	32 171	four thousand and four

    a. _____[3]

[5]

Question 30

    a. Bert packed 1 285 cans of soda into boxes, each box contained 8cans.

    i)   _____[3]

i)   How many full boxes did she get?

ii)   How many cans were left over?

iii)   If she had to pack all can how many boxes did she pack

b. Each pupil in class collected 17 leaves for an exercise on area. How many leaves did 40 pupils collect?