Grade 6   **Mathematics**   **2015**
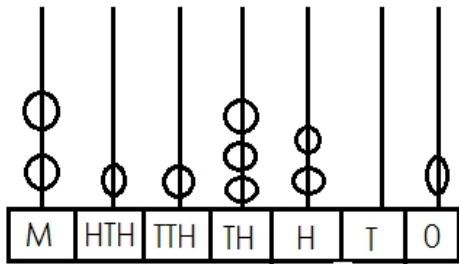
Mock Examination

Marks: 60

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 cross (×) the correct option only on the answer grid provided.

Section A

Question 1

M	HTH	TTH	TH	H	T	O

i)   What is the number shown by the abacus?

Question 2

Eighty three thousand four hundred and one in numerals is…

Question 3

0.96 when rounded off to the nearest tenth is

Question 4

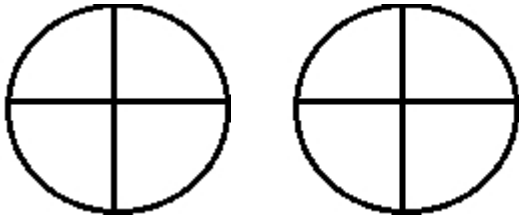Using a scale of 1:10km, what actual distance, if the scale length is 3cm

Question 5

a. 3/8
b. 11/15
c. 4/15
d. 9/15

2/5 + 1/3 is equal to

Question 6

The diagrams below shows

Question 7

Given that diameter is 18cm, what is the radius

Question 8

Triangle that has equal sides and angles is?

Question 9

What is the multiplication shown in the number line below?

Question 10

The sum of 52 and 1.2 is

Question 11

What time is 40 minutes after 11:30pm?

Question 12.

At Mhubhe high school the number of school dropouts due to lack of

School fees triples every. If a pupil drops out in 2012, how many pupils

were expected to drop out in 2013

Question 13

Express 25% of a day in hours

Question 14

2 ½ + 1 1/3 is

Question 15

Choose the correct sign for

10.2 [   ] 10.200

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

Question 16

Charles has a piece of wood which is 25cm long. He cuts off 14cm piece

How many 3cm pieces can He make from that's left

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

Question 17

Express 1250g in Kg

a. 0.125kg
b. 1.25kg
c. 12.50kg
d. 125kg

Question 18

What is 10.7 – 2.04 equal to

a. 8.66
b. 6,88
c. 8.74
d. 12.74

Question 19

As an improper fraction 7 4/5 is the same as…

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

Question 20

5

a. Angle
b. Circle
c. Sector
d. factor

What name is given to the shaded part?

[40 Marks]

Section B

Question 21

A. Write these numbers in expanded form

i) 239 743_____

_____

ii)   899 965 _____

_____

_____

[4]

Question 22

Work out the following

i)   88 562 + 540 + 30 649 + 595 649

ii)   46 512 ÷ 12

[5]

Question 23

Complete the number sequence

1, 3, 6, 10, _____, _____, _____   [3]

Question 24

    a. 4 boys had stomach ache. The nurse gave each boy 3/5 of a
          Teaspoon of medicine. How much medicine in total was given
          To the four boys?

a. _____

Question 25

A group of seven boys had the following scores in mathematics:

38 75 40 45 25 30 45

   a. What is the mode?

   b. Find the median score

Question 26

Work out:

      a. $3/5 \times \frac{1}{2}$

      b. 2 7/10 – 1 4/5

      c. 7 x 1 ½

Question 27

   a. On the space below construct triangle ABC. AB =5cm
      ABC = 100° BC = 7cm   [4]

a. _____[2]

8

b. What is the length of AC?

c. What is the size of angle CAB?

Question 28

Draw lines to match the following

a. Shape with 4 equal sides	Parallelogram
b. Shape with 3 equal sides	Mixed number
c. A whole number and a fraction	Square
d. Fraction with numerator larger than denominator	Equilateral triangle
e. Shape with 2 sets of parallel sides	Improper fraction

[5]

Question 29

Mr Maseko has two sons Musa and Sipho. Sipho is the eldest son. He Wants them to share E500-00 but the eldest son's money would be more than the younger son by E50

a. Calculate how much money Spho will get?

a. _____[3]

b. Calculate how much money Musa will get?

Question 30

Sipho left home at 7:10am and took 55minutes to reach school

a. Write 7:10am in 24 hour time

b. _____[3]

b. At what time did he arrive at school?

b. _____[3]

9

Question 31

The grid below shows part of a seating plan at the hall

	6							
	5							
	4							
second number	3	vusi		sipho				
	2						buhle	
	1				lungelo			
	0						Charles	
		1	2	3	4	5	6	

    a. At what position is Buhle seating
    b. Who is sitting at position (3,1)

Question 32

Grade 6 learners spend E3437 for producing 65bags of maize. If the

price per bag was sold at E155

    a. Calculate the total money they got after selling all the bags

    b. How much profit did they make on all the bags?