Grade 7 **Mathematics** **2015**
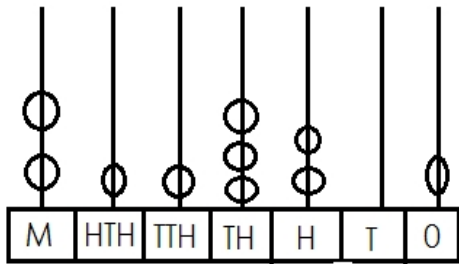
Mock Examination

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

What is the place value of the 4 in the number 5 349 265?

Question 3

What is 485 729 rounded to the nearest thousand?

Question 4

Which is the correct expanded form for 708 401?

i)   7 000 000 + 800 000 + 400 + 1
ii)   7 000 000 + 80 000 + 4 000 + 1
iii)   7 000 000 + 80 000 + 400 + 1
iv)   7 000 000 + 8 000 + 400 + 1

Question 5

The difference of 10.7 and 3.02 is…

2

a. 6.15
b. 7.05
c. 7.72
d. 7.68

Question 6

The sum of these numbers.

73 205, 1 834 071, 729 511 and 8 277 513

Question 7

The time on this clock face in 24 hour time in the morning is_____

Question 8

Divide 278 347 ÷ 25

Question 9

Work out the following

1/8 × ¼

Question 10

What percentage is E18 000 of E60 000.

a. 23%
b. 30%
c. 70%
d. 333%

Question 11

Mandla has 2 full cakes and he has to share it among his friends, each

Person gets 1/8 of the cake. How many pupils will get this cake?

Question 12.

Work out

2 1/3 × ¼

Question 13

A tin of fish costs E14.53, how much would Sipho pay for 6 tin of fish?

Question 14

A bus takes 3hrs to travel 4km from pig's peak to Mbabane. How many

Hrs. will it take to travel for 8km

Question 15

In a money lender business they charge 20% interest for borrowing

Money. Calculate the interest of borrowing E13 500.00

a. E2 700
b. E 27.00
c. E270.00
d. E162 000

Question 16

Calculate:

12 ÷ 1/8

a. 1 2/8
b. 96/8
c. 12
d. 96

Question 17

A pile of 100 bricks of equal thickness is 50.5cm high.

Find the thickness of each brick

a. 0.505cm
b. 5.05cm
c. 505cm
d. 5050cm

Question 18

Divide

13 824.36 by 12

a. 11.5203
b. 115.203
c. 1152.03
d. 11520.3

Question 19

Work out

63 ÷ (7+2) − 12 ÷ 3
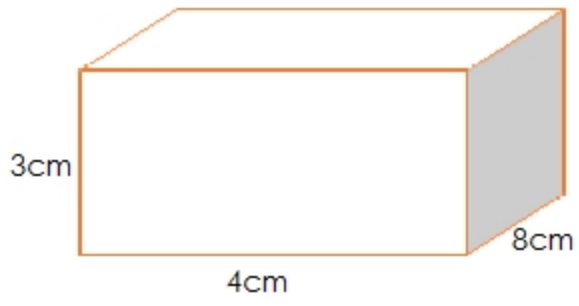
a. 2
b. 7
c. 9
d. 63

Question 20

Find the volume of the figure

a. E2 700
b. E 27.00
c. E270.00
d. E162 000

3cm
4cm
8cm

[40 Marks]

Section B

6

a. _____[3]
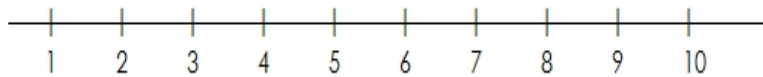
Question 21

A. Write the values in ☐ that make the statement below to be true.

6 × (5×7) = (6 × [ ]) × [ ] = [ ]

B. use the number line below to show

2 + (4 + 3) = (2 + 4) + 3

[4]

Question 22

Draw line to match the following

a.	Odd numbers	3, 6, 9, 12, 15…
b.	Prime numbers	1,2,3,4,6,8,12,14
c.	Even numbers	1,3,5,7,9,11,13,15
d.	Factors of 24	2,3,5,7,11
e.	Multiples of 3	2,4,6,8,10,12

[5]

Question 23

Work out the following

a. 1 ¾ + 2 ½

   2 1/3 + 4 2/5

b. 7 ¼ - 1 ½

Question 24

Work out

a. _____[2]

b. _____[2]

a. 6 442 853 + 3 762 036

b. 28 745 × 17

c. A farmer has some pigs. Each of them eats 20kg of pig meal per
Week. How many pigs does he have if he needs 3 740kg of the
Pig meal per week?

Question 25

A cool drink bottle holds 3/10 litres. How many litres of cool drinks

would be contained in 15 bottles?

Question 26

Copy the following numbers and arrange them in order starting with the

 Smallest.

0.236, 0.352, 0.253, 0.325

B. write 0.75 as a common fraction in its simplest form.

Question 27

LaMaseko bought a hand bag at a factory shop in Durban for E200

8

a. _____[3]

She sold it to LaNgozo for E350

    a. How much profit did she make?

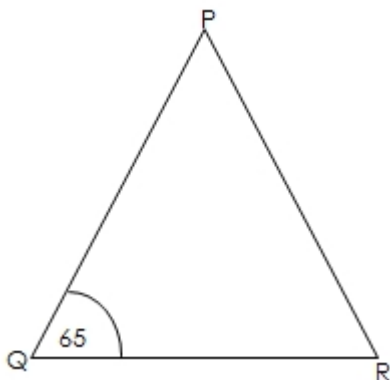   b. What was the percentage profit?

Question 28

Work out:

	Year	Months
+	8	7
	2	9

_____

Question 29

If a triangle PQR is an isosceles triangle with PQ=PR, find the size of

An angle RPQ (not drawn to scale)

Question 30

Work out:

a. _____[2]

9

27.1 – 2.32

Question 31

Mr Mavundla has a total of 180 animals. There are twice as many goats

As sheep. The information is represented in the pie chart below.

    a. ..
- i)   Which of the animals are fewer in number?
- ii)   How many of these animals are there?

    b.   What fractions of the animals are goats?

    c.   What is the sector angle for the sheep?

    d.   Write the sector angle for the sheep as percentage