**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**

1. 56.2
2. 362.068
3. 362.68
4. 36 268
5. Millions
6. Hundred thousand
7. Ten thousand
8. Thousands
9. 485 000
10. 485 700
11. 486 000
12. 500 000
13. i)
14. ii)
15. iii)
16. iv)

**Question 1**

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1. 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?

1. 7 000 000 + 800 000 + 400 + 1
2. 7 000 000 + 80 000 + 4 000 + 1
3. 7 000 000 + 80 000 + 400 + 1
4. 7 000 000 + 8 000 + 400 + 1

**Question 5**

1. 6.15
2. 7.05
3. 7.72
4. 7.68
5. 10 914 300
6. 11 573 145
7. 18 138 744
8. 24 727 194
9. 8:54 am
10. 0854hours
11. 0911 hours
12. 1145hours
13. 12102
14. 1 212 rem 1
15. 12 012 rem 1
16. 12 102 rem 1
17. 2/4
18. 2/8
19. 1/32
20. 2/12

The difference of 10.7 and 3.02 is…

**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**

1. 23%
2. 30%
3. 70%
4. 333%
5. 2/4 pupils
6. 2 1/8 pupils
7. 4 pupils
8. 16 pupils
9. 7/12
10. 2/7
11. 2
12. 1
13. 8. 718
14. 87.18
15. 871.8
16. 8718.00
17. 2
18. 6
19. 24
20. 32

What percentage is E18 000 of E60 000.

**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

1. E2 700
2. E 27.00
3. E270.00
4. E162 000
5. 1 2/8
6. 96/8
7. 12
8. 96
9. 0.505cm
10. 5.05cm
11. 505cm
12. 5050cm
13. 11.5203
14. 115.203
15. 1152.03
16. 11520.3
17. 2
18. 7
19. 9
20. 63

**Question 16**

Calculate:

12 ÷ 1/8

**Question 17**

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

Find the thickness of each brick

**Question 18**

Divide

13 824.36 by 12

**Question 19**

Work out

63 ÷ (7+2) – 12 ÷ 3

**Question 20**

1. E2 700
2. E 27.00
3. E270.00
4. E162 000

Find the volume of the figure



 **[40 Marks]**

**Section B**

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[3]
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[3]
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[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

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

 [5]

**Question 23**

Work out the following

1. 1 ¾ + 2 ½

2 1/3 + 4 2/5

1. 7 ¼ - 1 ½

**Question 24**

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[2]
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[2]
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[3]
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[3]
5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[3]
6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[3]
7. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[3]
8. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[3]

Work out

1. 6 442 853 + 3 762 036
2. 28 745 × 17
3. 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**

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[3]
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[3]
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[3]

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

She sold it to LaNgozo for E350

1. How much profit did she make?
2. 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**

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[2]
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[1]
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[2]
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[2]

C \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[2]

D. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[2]

Work out:

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.

1. ..
2. Which of the animals are fewer in number?
3. How many of these animals are there?
4. What fractions of the animals are goats?
5. What is the sector angle for the sheep?
6. Write the sector angle for the sheep as percentage