**Grade 5 Mathematics 2015**

**Mock Examination**

**Marks: 80**

**Paper 1**

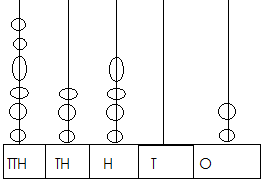
**Instructions**

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**

1. 20 463
2. 63 402
3. 63 422
4. 64 574
5. Tens
6. hundreds
7. thousands
8. ten thousands
9. 20 000+1000+900+90+9
10. 20000+10000+900+90+9
11. 21000+900+90+9
12. 21000+9000+90+9
13. 43 311
14. 70 565
15. 71 565
16. 715 515

**Question 1**



1. 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**

1. 3
2. 6
3. 9
4. 18
5. 20.4
6. 20.6
7. 22.75
8. 23.45
9. 5, 10, 15, 20
10. 10, 20,25, 30
11. 10,15,20,25
12. 15,20,25,30
13. 1 344
14. 3 144
15. 4 134
16. 4 431
17. 2 563
18. 25.63
19. 2.563
20. 0.2563

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

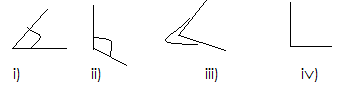
**Question 12.**

The correct symbol to compare the two decimal factions

0.55 [ ] 0.455

**Question 13**

Choose an obtuse angle below



**Question 14**

How many line of symmetry does the figure have?

1. ¾
2. 2/4
3. ¼
4. ½
5. 80 000
6. 85 700
7. 85 720
8. 86 000
9. >
10. <
11. =
12. ?
13. (i)
14. (ii)
15. (iii)
16. (iiii)
17. 1
18. 2
19. 3
20. 4

**Question 15**

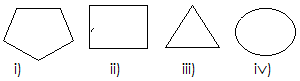
Using the scale 1:100 find the distance on the plan if the distance on the

ground is 500cm in metres

1. 500m
2. 200m
3. 50m
4. 5m
5. 4 pieces
6. 5 pieces
7. 9 pieces
8. 10 pieces
9. 1/3
10. 1/6
11. 2/6
12. 3/9
13. 0230hrs
14. 0203hrs
15. 1403hrs
16. 1430hrs
17. 16/5
18. 29/5
19. 35/5
20. 39/5

**Question 16**

Choose a quadrilateral below:



**Question 17**

What is 6/18 in its simplest form?

**Question 18**

Write 2:03pm in 24hr time

**Question 19**

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



**Question 20**

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

**8 432**

[40 Marks]

1. Angle
2. Circle
3. Sector
4. factor
5. 8 412
6. 8 430
7. 8 434
8. 8 452

**Section B**

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

b. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ [1]

c. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ [1]

d. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ [2]

**Question 21**

Match the following using arrows:

1. Parallel angle less than 90°
2. Acute figure with four sides
3. Quadrilateral lines that never meet
4. Protractor construct a circle
5. Compass to measure angles

[5]

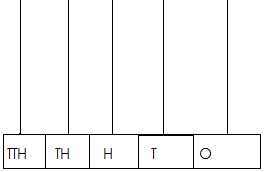
**Question 22**

1. Find the HCF of 24 and 36
2. 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]



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** |
| 1. 11:05AM |  |
|  | 1406Hrs |
| 1. 1:45AM |  |
|  | 12 midnight |
| 1. 12:01PM |  |

**Question 25**

WORK OUT

1. 4 235 x 22

[5]

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[3]
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[3]
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[2]
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[3]
5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[4]
6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[1]
7. 5 344 ÷ 2

**Question 26**

Write down:

1. Odd numbers between 6 and 10
2. Even numbers between 15 and 21
3. Prime numbers between 10 and 20
4. Common factors between 5 and 6

**Question 27**

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

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

1. 50°
2. 110°
3. Name the angle in (b)

**Question 28**

Complete the sequences below

1. 2, 5, 11, \_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_ [2]
2. 55, 105, 155, \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_ [3]

**Question 29**

Compare the following using <, > or =

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

[5]

**Question 30**

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[3]
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[3]
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[1]
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[1]
5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[2]
6. Bert packed 1 285 cans of soda into boxes, each box contained

8cans.

1. How many full boxes did she get?
2. How many cans were left over?
3. If she had to pack all can how many boxes did she pack
4. Each pupil in class collected 17 leaves for an exercise on area.

How many leaves did 40 pupils collect?