**Grade 5 Mathematics 2015**

**Mock Examination**

**Marks: 100**

**Paper 2**

**Instructions**

1. Answer all questions in this paper
2. All working must be shown. It should be done on the same sheet.
3. Marks will be given for working

**NAME \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

|  |  |
| --- | --- |
| **For office use** | **Score** |
|  |  |

**No: 1**

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

Write the number 38 162 in:

1. Words
2. Expanded form
3. Round off the number to the nearest thousand
4. Round of the number to the nearest ten thousand

No: 2

Write this fractions to their simplest form

1. 14/21
2. 66/99
3. 250/450

**No: 3**

Find the highest common factor of:

1. 42 and 49
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ [2]
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ [2]
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ [2]
5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[4]
6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[2]
7. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[3]
8. 28 and 56

**No: 4**

1. Draw a simple diagram to show 1 5/8
2. Draw a number line show by an arrow 21/3

**No: 5**

Write the decimal fraction 1.25 in:

1. Words in two different ways

* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. expanded form
2. Compare the following pairs of decimal fractions using the

Symbols >, < or =

* 0.35 0.3
* 0.07 0.75
* 0.50 0.55

a\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[2]

b. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ [2]

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

**No: 6**

Complete the table below by filling in the correct decimal fraction or

Common fraction

|  |  |
| --- | --- |
| Decimal Fraction | Common Fraction |
|  | 6/10 |
| 1. 0.68 |  |
|  | 30/100 |
| 1. 0.03 |  |
|  | 1/4 |

**No: 7**

WORK OUT

1. 52 514

+ 17 443

\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_

1. 18 192

* 14 083

\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_

1. 384

×37

\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_

1. 1 434 ÷ 6
2. 32.18 + 52.3

**No: 8**

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

b. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[2]

Write down the names of the quadrilaterals described below:

1. A four-sided figure with two equal sides and all angles 90°
2. A four sided figure with opposite sides parallel and all four

Sides equal

1. A four sided figure with both pairs of opposite sided parallel

**No: 9**

1. How many lines of symmetry are in the following figures:

F

2. Draw the next shape in the pattern below

**No: 10**

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

Change the following length to:

1. Kilometres (km)
2. 57 000 m
3. 8 250m
4. Metres (m)
5. 15 ½ Km
6. 9km

**No: 11**

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

Sizes and name them…

1. 55°
2. 165°

**No: 12**

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

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

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

Muzi has 69litres of cold drink bottles. He puts them in cases which

hold 12 bottles each.

1. How many cases will be full?
2. How many bottles will be left?
3. How many cases will he need for all the bottles?

**No: 13**

Which is the cheapest packet to buy?

1. A litre of coke at E7.50
2. A two litre bottle of coke at E15.90

**No: 14**

Mr Dlamini bought 6goats. He sold them for a total of E720.00.

He made a profit of E120.00

1. What was the cost price of all 6 goats?
2. What was the cost of each goat?
3. How much profit did he make?

**No: 15**

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

The table below shows the attendance t the concerts in Khulile hall

|  |  |  |  |
| --- | --- | --- | --- |
| Days | MEN | WOMEN | CHILDREN |
| Thursday | 218 | 358 | 369 |
| Friday | 352 | 421 | 481 |
| Saturday | 415 | 427 | 483 |

1. What was the total attendance each night [3]
2. How Many men attended altogether [3]
3. How many women attended altogether?
4. What was the attendance at Khulile Hall during the 3 days?

**No: 15**

WORK OUT:

1. Years months

2 8

8 4

\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Days Hours

2 8

3 19