Blouberg Ridge Primary School
Grade 7
Mathematics
Paper 1
Mid-Year Examination 2019

Question 1: Underline the correct answer. Only one answer is correct. **[10]**

1.1 Calculate 1 400 ÷ 70

a) 200 b) 20

c) 2 d) 28

1.2 The 7th prime number is

a) 19 b) 13

c) 17 d) 11

1.3 $2^3 + (2 + 2)^2$

a) 36 b) 24

c) 25 d) 16

1.4 $5^3 - 3^2$

a) 27 b) 6

c) 9 d) 116

1.5 Ten million six hundred and nine thousand and fifteen =

a) 1 690 015 b) 10 069 015

c) 10 609 015 d) 10 609 150

1.6 BODMAS: 35 – 7 x 4 ÷ 2 + 11

a) 32 b) 67

c) 36 d) 14,5

1.7 $\sqrt{64+36}$

a) 9 b) 14

c) 100 d) 10

1.8 Simplify this ratio 12:36

a) 12:18 b) 6:9

c) 1:3 d) 3:4

1.9 0,8 written as a common fraction in its simplest form is:

a) $\frac{8}{10}$ b) $\frac{3}{4}$

c) $\frac{4}{5}$ d) $\frac{80}{100}$

1.10 0,06 x 100

a) 6 b) 0,6

c) 0,06 d) 60

Question 2:

Fill in < or > or = **[8]**

2.1 25 % _____ $\frac{1}{4}$

2.2 88,008 _____88,8

2.3 436 207 _____ 432 607

2.4 Determine the LCM of 12 and 16. _____

2.5 What is the HCF of 32 and 48? _____

2.6 Write 140 as a product of its prime factors. _____

2.7 Write your answer to 2.6 in exponential form. _____

2.8 Calculate: $9 + (2 + 5) \times 3^3 \div 9$ _____

Question 3: **[8]**

3.1 Round 4,825 off to the nearest

a) whole number _____

b) tenth _____

c) hundredth_____

3.2 Calculate

3.2.1 **6 587 688 + 433 947** [1]

3.2.2 **4 232 000 – 189 975** [1]

3.2.3 **12,428 + 34,265 + 1,7** [1]

3.2.4 **1,59 x 8, 2** [2]

(round your answer off to 2 decimal places)

Question 4: Calculate and write your answer in its simplest form. **[8]**

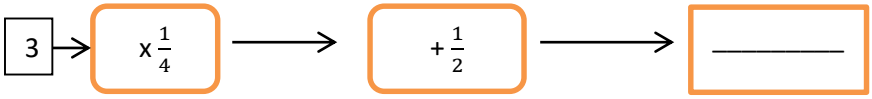
4.1 $3\frac{3}{4} + 2\frac{1}{3} - 1\frac{5}{12}$ [4]

4.2 $1\frac{2}{5} \times 2\frac{2}{6} \times 2\frac{4}{7}$ [4]

Question 5: Complete the table below. Write your answer in its simplest form. **[3]**

PERCENTAGE	DECIMAL FRACTION	COMMON FRACTION
26%	**5.1**_____	$\frac{13}{50}$
5.2_____	0,2	$\frac{1}{5}$
67%	0,67	**5.3**_____

Question 6: Complete the following: **[1]**



Question 7: Problem Solving. Show all working. **[12]**

7.1 Mr Legodi wants to buy a TV that costs R3 000. A discount of 15% is offered for a cash payment only. How much will he pay for the TV if he buys it using cash? (3)

7.2 Share the bill for lunch between Melrose, Halle and Thandi in the ratio 3: 1: 2. The total is R540. (4)

7.3 Calculate the percentage increase if a bag of sugar is increased from R40 to R48. (2)

7.4 If there are 3 600 entrants in a marathon race and $\frac{2}{3}$ have run this race before.

7.4.1 What is the number of entrants entering for the first time? (2)

7.4.2 If 450 runners could not finish the race, what is the fraction (in its simplest from) of these unsuccessful runners? _____ (1)