

**Blouberg Ridge Primary School**  
**Grade 6**  
**Mathematics**  
**Paper 1**  
**Final Examination Paper 2019**  
**Marking Guidelines**

**Section A:**

**[12]**

**Question 1: Multiple choice**

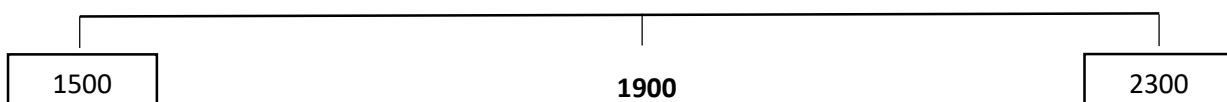
**[6]**

- 1.1) What is the value of the underlined digit in 768, 8? (1)  
a) 80                      b)  $\frac{8}{1000}$                       c)  $\frac{8}{100}$                       **d)  $\frac{8}{10}$**
- 1.2) Which of the following expressions represent 60%? (1)  
a) 60                      **b) 0.6**                      c) 6,0                      d)  $\frac{1}{60}$
- 1.3) Which of the following fractions is in its simplest form? (1)  
a)  $\frac{11}{22}$                       b)  $\frac{90}{100}$                       c)  $\frac{7}{14}$                       **d)  $\frac{5}{12}$**
- 1.4) Which of the following numbers is a prime number? (1)  
a) 9                      b) 21                      c) 15                      **d) 17**
- 1.5) Round 9 996 670 off to the nearest 1 000. (1)  
a) 9 996 000                      b) 9 007 000                      c) 9 006 000                      **d) 9 997 000**
- 1.6) Calculate the following number sentence:  $5 \times 6 - 2 + 4 \div 2 =$  (1)  
**a) 30**                      b) 16                      c) 20                      d) 0

**Question 2: Number concepts**

**[6]**

- 2.1) Fill in the missing number on the number line below. (1)



- 2.2) What multiples of 15 can be found between 120 and 140 **KQ** (1)

**135**

- 2.3) Write down all the factors of 50. \_\_\_\_\_ 1 ;2 ;5; 10; 25; 50 (1)

2.4) Write 657 739 down in words:

(1)

**Six hundred and fifty-seven thousand seven hundred and thirty nine**

2.5) The sum of three consecutive number is equal to half of 60. What are these numbers? (1)

9; 10; 11

2.6) Write a number sentence that shows that numbers can be added in any order. (1)

(1)

$$5+6 = 6+5$$

**Question 3: Calculate the following.**

[16]

3.1)  $4\ 127\ 007 + 6\ 689\ 657 = A$  (1)

$$\begin{array}{r} 4\ 127\ 007 \\ + 6\ 689\ 657 \\ \hline =10\ 816\ 664 \end{array}$$

3.2)  $5\ 603 \times 135 = C$  (4)

$$\begin{array}{r} 5603 \\ \times 135 \\ \hline 28\ 015\ \checkmark \\ 168\ 090\ \checkmark \\ 560\ 300\ \checkmark \\ \hline 756\ 405\ \checkmark \end{array}$$

3.3)  $7\ 856 \div 20 = D$  (3)

$$\begin{array}{r} \underline{392\ \text{rem}16\ \checkmark} \\ 20 \overline{)7\ 856} \\ \underline{6\ 000\ \checkmark} \\ 1\ 856 \\ \underline{1\ 800} \\ 56 \\ \underline{40\ \checkmark} \\ 16 \end{array}$$

3.4)  $68,58 - 53,71 = B$  (1)

$$\begin{array}{r} 68,58 \\ - 53,71 \\ \hline 14,87\ \checkmark \end{array}$$

3.5)  $3\frac{4}{9} + 2\frac{2}{3} = B$  (3)

$$\begin{array}{l} 3\frac{4}{9} + 2\frac{6}{9}\ \checkmark \\ 5\frac{10}{9}\ \checkmark \\ 6\frac{1}{9}\ \checkmark \end{array}$$

3.6)  $23\frac{1}{4} - 12\frac{5}{12} =$  (4)

$$\begin{array}{l} 23\frac{3}{12} - 12\frac{5}{12}\ \checkmark \\ 10\left(\frac{12}{12} + \frac{3}{12}\ \text{or}\ \frac{15}{12}\right) - \frac{5}{12}\ \checkmark\ \text{or}\ \frac{279}{12} - 12\frac{149}{12} \\ 10\frac{10}{12}\ \checkmark \qquad \qquad \qquad \frac{130}{12}\ \checkmark \\ 10\frac{5}{6}\ \checkmark \end{array}$$

**Question 4: Fill in <, > or =.**

**(3)**

4.1)  $\frac{3}{6} = \frac{5}{10}$

4.2)  $1\frac{4}{5} > 1\frac{3}{4}$  **RP**

4.3)  $125,56 < 125,6$

**Question 5: Complete the following table.**

**(2)**

Common fraction in simplest form	Decimal fraction	Percentage
$\frac{1}{10}$	0,1 <b>KQ</b>	10%
$\frac{2}{5}$	0,4	40% <b>KQ</b>

**Question 6: Word Problems.**

**[7]**

**Use the RNWA method to answer the following word problems.**

6.1) John divided a certain number by 25. He found an answer of 3 200 with a remainder of 10. What is that number? **(3)**

$(3200 \times 25) + 10 = A \checkmark$

$$\begin{array}{r} 3200 \\ \times 25 \\ \hline 16000 \\ 64000 \\ \hline 80000 \end{array} \quad \begin{array}{r} 80000 \\ + \quad 10 \\ \hline 80110 \end{array} \checkmark$$

6.2) BRPS is planning for their annual dance a thon. There are 1 200 students in the school. 20% of the students **are not** able to attend the dance a thon. How many students will be attending the dance a thon? **(4)**

$1200 - (20\% \text{ of } 1200) = A \checkmark$  or  $80\% \text{ of } 1200 = A \checkmark$

$1200 \div 100 = 12 \checkmark$

$12 \times 20 = 240 \checkmark$

$1200 - 240 = 960 \checkmark$

or

$12 \times 80 = 960 \checkmark$