

Mathematics

Date: 12/June/2025

Period: 2:00 pm-4:00 pm



END OF TERM III EXAMINATIONS

GRADE: PRIMARY FIVE

OPTION : PRIMARY

DURATION: 2 HOURS

MARKS:

/50

INSTRUCTIONS

- 1) This paper contains **one** section only. **(50 marks)**
- 2) Attempt all questions.
- 3) **Geometrical instruments** may be used.
- 4) Use only a **blue** or **black** pen.

ANSWER ALL QUESTIONS.

(50 marks)

1) Choose the correct answer.

1 500 624 in word is:

(3 marks)

- a) one million one thousand six hundred twenty-four.
- b) one million two thousand six hundred twenty-four.
- c) one million four thousand six hundred twenty-four.
- d) one million five hundred thousand six hundred twenty-four.

2) Choose the correct answer:

(3 marks)

$$17 - (-11) =$$

- a) 28
- b) 6
- c) 16
- d) 0

3) Choose the correct answer.

Prime numbers less than 16 are:

(3 marks)

- a) 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15.
- b) 2, 4, 6, 8, 10, 12, 14.
- c) 1, 3, 5, 7, 9, 11, 13, 15.
- d) 2, 3, 5, 7, 11, 13.

4) Calculate and choose the correct answer for $\frac{2}{3} + \frac{4}{5} =$ **(3 marks)**

a) $\frac{22}{15}$

b) $\frac{6}{8}$

c) $\frac{6}{15}$

d) $\frac{8}{15}$

5) What is the correct answer for $\frac{13}{15} \times \frac{2}{3} =$ **(4 marks)**

a) 26

b) $\frac{26}{45}$

c) $\frac{15}{30}$

d) $\frac{15}{18}$

6) Arrange the following numbers in descending order: **(3 marks)**

8.6, 7.66, 7.6, 0.76, 0.67, 0.86, 6.08.

- 7) I have six water tanks. Each tank holds 1 500 litres of water. How many litres of water can my tanks hold? Calculate and choose the right answer:

(3 marks)

- a) The six water tanks can hold a total of 900 litres of water.
- b) The six water tanks can hold a total of 9,000 litres of water.
- c) The six water tanks can hold a total of 90,000 litres of water.
- d) The six water tanks can hold a total of 900,000 litres of water.

- 8) A circular fish pond has a circumference of 154m. Poles are to be fixed at intervals of 3.5 m. How many poles are required to fence around the entire pond? Calculate and choose the right answer:

(3 marks)

- a) Number of poles is 42.
- b) Number of poles is 43.
- c) Number of poles is 44.
- d) Number of poles is 45.

- 9) Convert the following into centimeters:

- a) 30 mm=.....cm **(1 mark)**
- b) 60 dam=dm **(1 mark)**
- c)cm= 0.7 km **(1 mark)**

- 10) Study the table below. It was displayed in a Forex shop in Kigali:

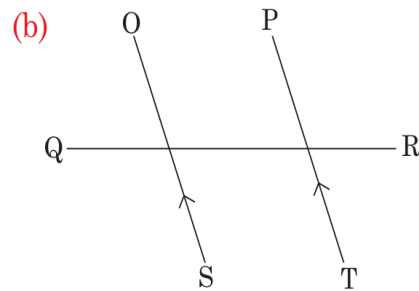
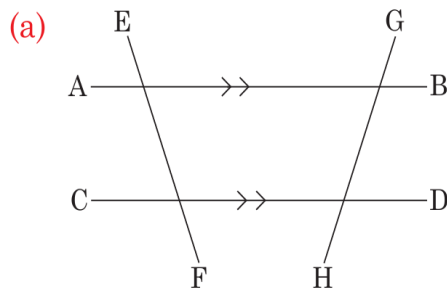
Currency	Frw
1 USD	750.20
1 EUR	850.
1KSh	7.56
1 UGX	0.23

- a) Kamana had 300 USD. How many Frw are these? **(2 marks)**
b) Hirwa had 20 000 Frw. How many EUR are these? **(2 marks)**
c) Mukundwa had 600 UGX. How many Frw are these? **(1 mark)**

- 11) Find the missing numbers in the sequences below:

- a) 40, 43, 46, 49, __, __ **(1 mark)**
b) 5, 8, 11, 14, __, __ **(1 mark)**
c) 52, 57, 62, 67, __, __ **(1 mark)**

- 12) Name lines that are parallel to each other from the diagrams below. **(3 marks)**



- 13) A section of river is 1 720 m. It is drawn on a map. The drawing length is 17.2 cm. Find the scale used on the map. Calculate and choose the correct answer. **(3 marks)**

- a) Scale ratio = $\frac{1}{1,000}$
- b) Scale ratio = $\frac{1}{10,000}$
- c) Scale ratio = $\frac{1}{100,000}$
- d) Scale ratio = $\frac{1}{1,000,000}$

- 14) The diameter of a circular ring is 21 cm. What is its circumference?

Calculate and choose the correct answer. Take $\pi = \frac{22}{7}$. **(3 marks)**

- a) 60 cm
- b) 63 cm
- c) 66 cm
- d) 69 cm

- 15) The data below shows the marks obtained (out of 100) by some pupils in mathematics test:

90, 80, 70, 50, 80, 90, 80, 60, 80, 40, 50, 80, 60, 40, 50, 80, 90, 60, 70, 50.

- a) Fill these data in a table below.

(2 marks)

Marks	Number of pupils
90	
80	
70	
60	
50	
40	
Total	

- b) How many pupils did they sit for the test?

(1 mark)

- c) How many pupils scored 80% marks?

(1 mark)

- d) How many pupils got less than 50% marks?

(1 mark)

Mathematics

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MARKING GUIDE



END OF TERM III EXAMINATIONS

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/ 50

INSTRUCTIONS

- 1) This paper contains **one** section only. **(50 marks)**
- 2) Attempt all questions
- 3) **Geometrical instruments** may be used.
- 4) Use only a **blue** or **black** pen.

ANSWER ALL QUESTIONS.

(50 marks)

1) Choose the correct answer.

1 500 624 in word is:

- a) One million one thousand six hundred twenty-four.
- b) One million two thousand six hundred twenty-four.
- c) One million four thousand six hundred twenty-four.

d) One million five thousand six hundred twenty-four. ⇐

The correct answer is d) 3

2) Choose the correct answer:

$$17 - (-11) =$$

a) 28 ⇐

b) 6

c) 16

d) 0

$$17 - (-11) = 17 + 11 = 28$$

The correct answer is a) 28 3

3) Choose the correct answer.

Prime numbers less than 16 are:

- a) 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
- b) 2, 4, 6, 8, 10, 12, 14
- c) 1, 3, 5, 7, 9, 11, 13, 15

d) 2, 3, 5, 7, 11, 13. ⇐

The correct answer is d) 2, 3, 5, 7, 11, 13..... 3

4) Calculate and choose the correct answer for $\frac{2}{3} + \frac{4}{5} =$

- a) $\frac{22}{15} \Leftarrow$
- b) $\frac{6}{8}$
- c) $\frac{6}{15}$
- d) $\frac{8}{15}$

$$\frac{2}{3} + \frac{4}{5} = \frac{(2 \times 5) + (4 \times 3)}{3 \times 5} = \frac{10 + 12}{15} = \frac{22}{15}$$

The correct answer is a) $\frac{22}{15}$ 3

5) What is the correct answer for $\frac{13}{15} \times \frac{2}{3} =$

- a) 26
- b) $\frac{26}{45} \Leftarrow$
- c) $\frac{15}{30}$
- d) $\frac{15}{18}$

$$\frac{13}{15} \times \frac{2}{3} = \frac{13 \times 2}{15 \times 3} = \frac{26}{45}$$

The correct answer is b) $\frac{26}{45}$ 4

6) Arrange the following numbers in descending order: **(3 marks)**

8.6, 7.66, 7.6, 0.76, 0.67, 0.86, 6.08.

Descending order: **8.6, 7.66, 7.6, 6.08, 0.86, 0.76, 0.67. 3**

Alternatively, $8.6 > 7.66 > 7.6 > 6.08 > 0.86 > 0.76 > 0.67$.

7) I have six water tanks. Each tank holds 1 500 litres of water. How many litres of water can my tanks hold? Calculate and choose the right answer:

- a) The six water tanks can hold a total of 900 litres of water.
- b) The six water tanks can hold a total of 9,000 litres of water.**
- c) The six water tanks can hold a total of 90,000 litres of water
- d) The six water tanks can hold a total of 900,000 litres of water

Capacity of the 6 water tanks = $6 \times 1\,500$ litres = 9,000 litres.

The correct answer is **b) The six water tanks can hold a total of 9,000 litres of water..... 3**

8) A circular fish pond has a circumference of 154m. poles are to be fixed at intervals of 3.5 m. How many poles are required to fence around the entire pond? Calculate and choose the right answer:

- a) Number of poles is 42
- b) Number of poles is 43
- c) Number of poles is 44 ←**
- d) Number of poles is 45

$$\text{Number of poles} = \frac{154}{3.5} = 44 \text{ poles}$$

The right answer is c) Number of poles is 44 3

9) Convert the following into centimeters. Explain your steps.

- (a) 30 mm = **3 cm** **1**
- (b) 60 dam = **6,000 dm** **1**
- (c) **70,000 cm** = 0.7 km **1**

km	hm	dam	m	dm	cm	mm
					3	0
	6	0	0	0		
0	7	0	0	0	0	

10)

a) $300 \text{ USD} \times 750.20 \text{ Frw/USD} = \mathbf{225,060 \text{ Frw}}$ **2**

b) $20,000 \text{ Frw} \div 850 \text{ Frw/EUR} = \mathbf{23.53 \text{ EUR}}$ **2**

c) $600 \text{ UGX} \times 0.23 \text{ Frw/UGX} = \mathbf{138 \text{ Frw}}$ **1**

11)

a) 40, 43, 46, 49, **52, 55****1**

b) 5, 8, 11, 14, **17, 20****1**

c) 52, 57, 62, 67, **72, 77****1**

12)

a) $AB//CD$ **1.5**

b) $OS//PT$ **1.5**

13) A section of river is 1 720 m. It is drawn on a map. The drawing length is 17.2 cm. Find the scale used on the map.

Calculate and choose the correct answer.

(3 marks)

a) Scale ratio = $\frac{1}{1,000}$

b) Scale ratio = $\frac{1}{10,000}$

c) Scale ratio = $\frac{1}{100,000}$

d) Scale ratio = $\frac{1}{1,000,000}$

Answer:

Given information:

- Actual length of the river section: 1,720 m
- Drawing length on the map: 17.2 cm
- $1,720 \text{ m} = 172,000 \text{ cm}$
- Scale ratio = Drawing length $\div$ Actual length
Scale ratio = $17.2 \text{ cm} / 172,000 \text{ cm}$
Scale ratio = $1 / 10,000$

The correct answer is b) Scale ratio = $\frac{1}{10,000}$ 3

- 14) The diameter of a circular ring is 21 cm. What is its circumference?

Calculate and choose the correct answer. Take $\pi = \frac{22}{7}$.

- a) 60 cm
- b) 63 cm
- c) 66 cm
- d) 69 cm

Circumference = $\pi \times \text{Diameter}$

$$\text{Circumference} = \frac{22}{7} \times 21 \text{ cm}$$

Circumference = **66 cm**

The correct answer is c) 66 cm. 3

15)

a)**2**

Marks	Number of students
90	3
80	6
70	2
60	3
50	4
40	2
Total	20

- b) Number of pupils who sat for the test are **20**.**1**
- c) Pupils scored 80% marks are **6**.**1**
- d) Number of pupils got less than 50% marks are **2**.**1**