**SET THREE**

**2018**

**MATHEMATICS**

**PRIMARY SEVEN**

***Time Allowed: 2 hours 30 minutes***

**Index No. :**

**Candidate’s Name : ………………………………………………………………………………………………**

**Candidate’s Signature : ………………………………………………………………………………………………**

**School Name : ………………………………………………………………………………………………**

**District Name : ………………………………………………………………………………………………**

***DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.***

**Read the following instructions carefully:**

**FOR EXAMINERS’**

**USE ONLY**

**Qn. No. MARKS EXRS’ IN.**

1 – 5

6 – 10

11 – 15

16 – 20

21 – 22

23 – 24

25 – 26

27 – 28

29 – 30

31 – 32

1. This paper has **two** sections: **A** and **B**.
2. All the working for both sections **A** and **B** must be shown

in the spaces provided.

1. All working must be done using a blue or black ball-point

pen or fountain pen. Any work done in pencil other than

graphs, pictures and diagrams will **not** be marked.

1. **No calculators** are allowed in the examination room.
2. Unnecessary changes of work may lead to **loss** of marks.
3. Any handwriting that cannot easily be read may lead to

**loss of marks.**

1. Do **not** fill anything in the boxes indicated:

**“For Examiners’ Use Only”**

**SECTION A (40marks)**

1. Divide: 36 4
2. Expand 43.5 using powers of ten.
3. Find the supplement of 39.
4. How many lines of symmetry has the figure
5. Round off 67.49 to the nearest whole number.
6. Find the next number in the sequence: 5, 7, 10, 15, 22, \_\_\_\_
7. Solve:
8. Write 0.00705 in scientific notation.
9. The distance between two towns is 45km; this distance is 5cm on a map of Uganda.

What is the scale of the two towns?

1. Using a protractor, draw an angle of 115 in the space below.
2. Express 0.75 as a ratio in its lowest term.
3. Simplify
4. Use the Venn diagram below:

Find n(MF)′

17

=

=

5

4

1. Solve:
2. The probability of passing this math paper is , find the probability of failing it.
3. Divide: \_\_\_\_\_(finite 5)
4. Find the volume of a cube of side 5dm.
5. Jamwa ran 100m in only 10 seconds, express his speed in km/hr.

D

A

C

B

94

2p

86

1. Use the figure below.

Find P.

1. Use distributive property to work out: (57.4 6) (4.2.6 6)

**SECTION B (60marks)**

1. In a class of 160 pupils, 65 like volley only, 55 like football only, 25 like neither of the two games while p like both games.
2. Use the above information to complete the Venn diagram below.

160pupils

=

=

\_\_\_\_

P

\_\_\_\_

\_\_\_\_

1. Find p.
2. Find the probability of those who like only one game to be the captain.
3. Matilda bought a tray of eggs at sh. 500 per egg on her way 6 eggs broke and she sold the remaining eggs at sh. 600 per egg. Calculate the percentage loss.
4. A bus left town K at after it reached town T, a distance of it continued to town M at a speed of and reached the town at .
5. When did it reach town T?
6. How long did it travel from town T to town M.
7. Calculate the average speed for the whole journey.
8. (a) Using a ruler, pencil and a pair of compasses only construct a triangle where

, angle and .

(b) Measure:

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Length \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Lala turned anti – clock wise an angle of from south west direction.
4. What direction is she facing now?
5. The bearing of town K from town M is . Find the bearing of town M from town K.

1. (a) Plot the given points on the grid below: A(−2, −2) B(+4, −2) C(+4, +2) D(0, +2)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | **0**  **+1**  **+2**  **+3** |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |
| **−1**  **−2**  **−3**  **−4**  **+4**  **+3**  **+2**  **+1**  **+5** |  |  |  |  |  |  |  |  |  |
|  |  |  |  | **−4**  **−3**  **−2**  **−1** |  |  |  |  |  |
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(b) Join the points A to B to C to D to A.

(c) What special name is given to figure formed.

1. In the figure below, is a triangle, , is parallel to and angle

Q

P

A

C

D

B

48

.

Find the size of angle ACD.

1. Jadwong bought a receipt book numbered to to be sold to anybody who would attend the school music concert. Each receipt was sold at for whoever enters the concert. If all the receipts were sold:
2. How many people attended the concert?
3. How much money was collected for the concert?
4. (a) Write ninety-four thousand nineteen in numerals.

(b) Write a single numeral for (3 103) (7 101) (9 100) (8 10−1)

1. (a) Subtract: .

(b) Solve:

1. Amina deposited **sh. 600,000** in a bank for 8 months. The bank gives an interest rate of per year.

How much money will she have in her account by the end of the period?

1. Jacinta drove her car from point A to point B at a speed of 50km/hr for 3hours. She made a return journey at a speed of 70km/hr.
2. How far is from Point A to B.
3. How long did she take on her return journey?

**\*\*\*END\*\*\***