

Name: Index No.....

School: Centre No:

Subject: **Mathematics**

Republic of South Sudan
South Sudan National Examinations Council
Certificate of Primary Education
2025

Subject: **Mathematics**Time **2½ hours*******
PICES2022JU021105MATP045**INSTRUCTIONS TO CANDIDATES:**

1. Write your Names, Index Number, School and Centre Number clearly in the space provided.
2. Read all the Questions carefully before you start answering them.
3. This paper consists of two Sections A & B.
4. All Sections are compulsory and must be written in the Space Provided.
5. Smartphones are not allowed in the examinations' hall.
6. Scientific calculators are not allowed.

For Examiners' Only

Section	Mark	Mark obtained	Marked by	Checked by
Questions 1	20			
Questions 2	15			
Questions 3	15			
Questions 4	20			
Questions 5	20			
Questions 6	10			
Total	100			

PICES2022JU021105MATP045





DO NOT WRITE IN THIS RECTANGLE

Question one (20 mks)

a). Write these numbers in words

(i). 560375

(ii). 1760473

b). Workout (3mks)

(i). $5 - 2431$

(ii). $\frac{2}{4} \div \frac{12}{1}$

c). Find the square of $14\frac{1}{2}$

d). Express this $\frac{9}{25}$ to percentage

e). Find the square root of 196 using the method of factorization

f). Convert the following;

(i). 9000 kg to tons





(ii). 600cm to meters

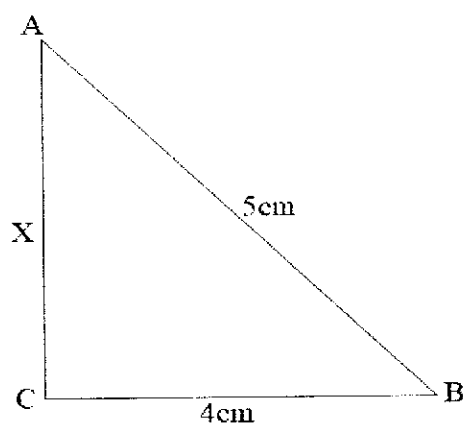
g). Evaluate

$$-17 + (-2)$$

Question Two (15mks)

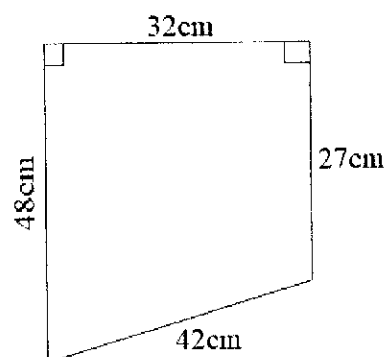
a). Find the area of a rectangle whose length is 19cm and height of 11cm. Draw the rectangle.

b). Find the value of the mark x in the triangle below.

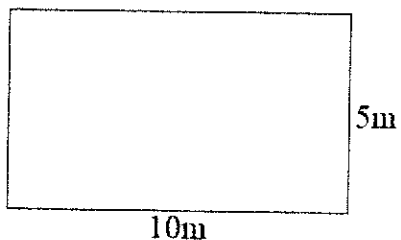


c). Find the perimeters of the figures below.

(i)



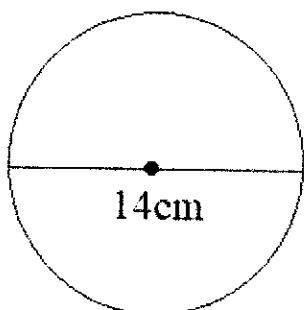
(ii)



Handwriting practice lines for the answer to question (ii).

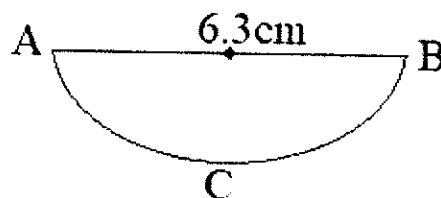
d). (i). Find the circumference of the circle whose diameter is 14cm.

Given ($\pi = \frac{22}{7}$)



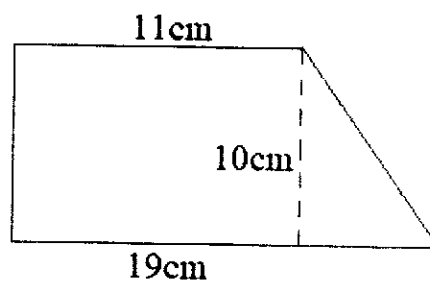
Handwriting practice lines for the answer to question d). (i).

(ii). Find the perimeter of a semi-circle.



Handwriting practice lines for the answer to question (ii).

e). Calculate the area of the figure below.



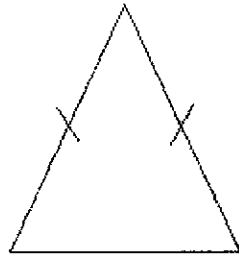
Handwriting practice lines for the answer to question e).



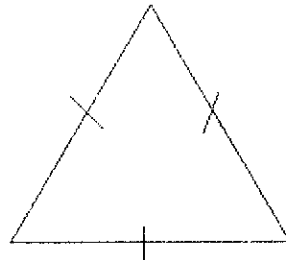


f). Give the names of the following figures.

(i). _____



(ii). _____



(iii). _____



Question Three (15 mks)

A). In a class test, a certain student scores the following marks 94, 60, 50, 70 and 60 respectively.
Find the following;

(i). The mode

(ii). The range

(iii). The median

(iv). The mean

B). (a). Given two sets A and B where
 $A = \{1, 2, 3, 4, 5, 6, 7, 8, 9\}$
 $B = \{2, 4, 6, 8, 10, 12, 14, 16\}$ Then Find

(i). $A \cap B$

(ii). $A \cup B$





(b). Draw a Venn diagram to represent $A \cap B$ and $A \cup B$

Bike	Tally	Total
Ranger	_____	8
Tourer	_____	6
Starburst		_____
Mountain	_____	15
Total Bike sold	_____	20

54437

(c). Using $=$, $<$ or $>$ to complete the following statement.

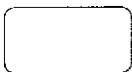
(i). $30 + 40$ _____ 20×4

(ii). $10 - 6$ _____ 2×2

(iii). $15 + 7$ _____ 5×3

C). Complete the frequency table below. (5mks)





Question Four (20 mks)

a). Find the value of the following, given; $a=10$, $b=1$, $c=8$ and $d=2$

(i) $\frac{a^2d + c^2d}{d^2}$

(ii). $C^2 - a + b$

b). Simplify

if; $2x + 3x = 15$ Find the value x

c). Work out

(i). $2y + 8yx - 3xy + 3y$

(ii). $2(x-y) - 3(x+y)$

d). Solve the simultaneous equation

(i). $2x + y = 16$

(ii). $X - y = 8$

e). Find the volume of a box whose sides are 12cm, 6cm, and 2cm.

f). Mary and Sarah shared 30 oranges in the ratio of 2:3

(i). How many oranges did Sarah get?

54437

54437



(ii). How many oranges did Mary get?



54437



Question Five (20 mks)

a). The marked price of a dress is SSP 60. If a discount of 10% is given,

What is the buying price?

b). A salesman is paid commission on the sales he makes. One day he made a sale of SSP 9600.

How much commission was he paid?

c). John invested money in the bank for Five (5) years. At the end of the period, he earned an interest of SSP 150,000.

If the interest was calculated at 12% per annum, Calculate the amount invested.

d). Paul had E y and John had twice as much as Paul. If Paul spent E12 of the amount he had, write the expression of the money left.

54437





54437

Question Six (10 marks)

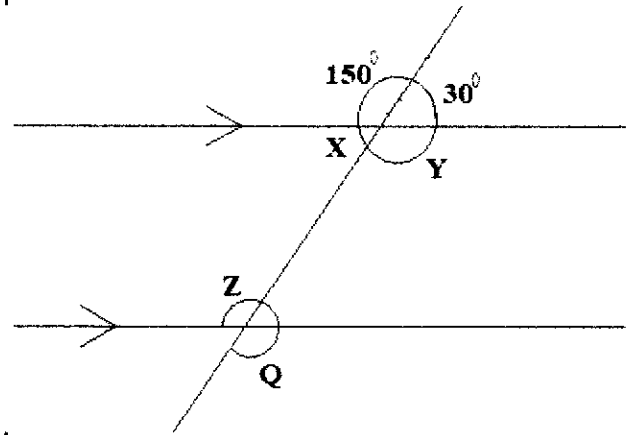
a). Using a ruler, pair of compass and a protractor.

(i). Construct a triangle ABC where $AB=6\text{cm}$, $AC=8\text{cm}$ and Angle $A = 80^\circ$.

(ii). Draw a circumscribe circle such that the circle passes through the three vertices putting the triangle inside

The End

b). Using the below figure to answer the questions that follows.

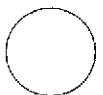


1. Angle marked Y = _____

2. Angle marked X = _____

3. Angle marked Z = _____

Angle marked Q = _____



54437

