

ANNUAL EXAMINATION SAMPLE PRACTICE PAPER-2025

MATHEMATICS

Time :2hrs
score:25

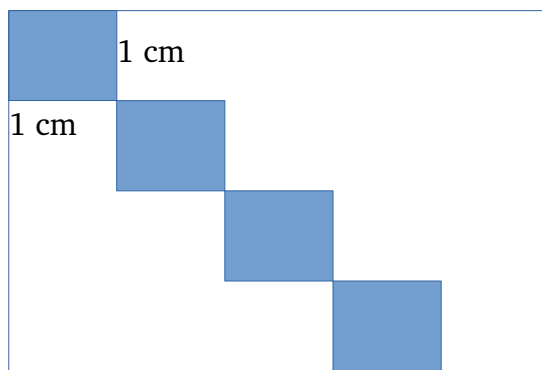
Class 5

Instructions

1. 15 minutes is given as cool -off time .Read the question carefully at this time.
2. Among the 7 evaluation activities write the answers for any 5 activities.

Activity 1

In the following rectangle, some squares of side 1 cm each are arranged.



- a) How many squares with sides of 1 centimetre can be arranged inside this rectangle?
- b) What is the area of this reactangle?
- c) What are the lengths of the sides of this rectangle?
- d) What is the perimetre of the rectangle?

Activity 2

Find the remainder when the number 3624 is divided by the numbers given below.

- a) What is the remainder when divided by 10?
- b) What is the remainder when divided by 5?
- c) What is the remainder when divided by 2?
- d) What is the remainder when divided by 4?
- e) What is the remainder when divided by 100?

Activity 3

Draw a rectangle with area 12 square centimetres and perimeter 14 centimetres

Activity 4

- a) If $125 \times 8 = 1000$, then what is 125×24 ?
- b) If $900 \div 3 = 300$ then what is $900 \div 15$?
- c) 90 biscuits are to be distributed among 15 children. How many biscuits should be given to each child to ensure that the division is the same?

Activity 5

If the length of a desk is 1 metre and 90 centimetres

- a) Write the length of the desk as a fraction
- b) Write the length of the desk in metres
- c) Write the length of the desk in centimetres

Activity 6

Some numbers are missing in the lines where the factors of the numbers v written. Fill in the missing parts.

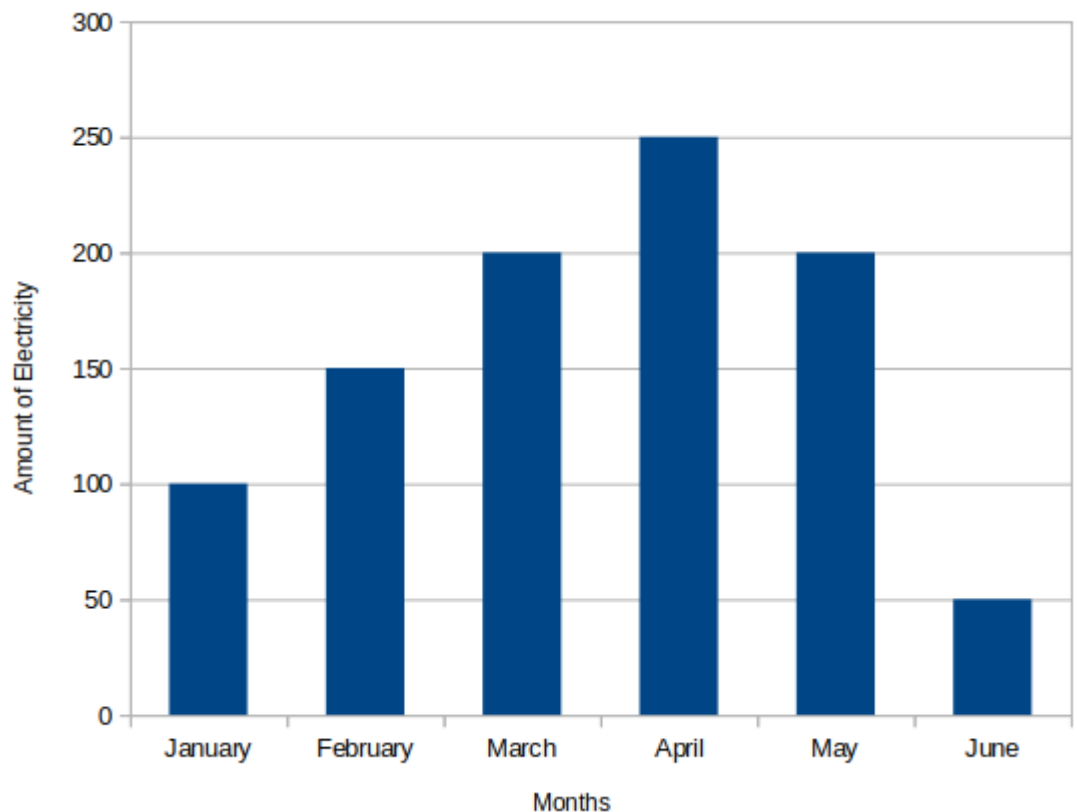
a) $420 = 7 \times 60$
 $= 7 \times 6 \times \dots$
 $= 7 \times \dots \times 3 \times \dots \times 5$

b) $105 = 5 \times 21$
 $= 5 \times 3 \times \dots$

c) What is $\frac{420}{105}$?

Activity 7

The graph below shows the units of electricity used by a household over a six-month period.



Find the answer based on the graph above.

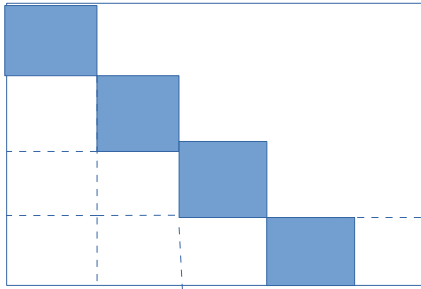
- a) In which month was the maximum electricity used ?
- b) In which month was it the minimum?
- c) In which months did the same amount of electricity get used?
- d) What was the amount of electricity used in February?
- e) What was the difference in the amount of electricity used in January and June?



Answer Key

Activity 1

Score



a) To find

In 1 column, 4 squares

In 1 row , 5 squares

(1)

Total squares = $4 \times 5 = 20$

(1)

(No need to draw figure)

b) Area = 20 square cm

(1)

c) Length of sides = 5cm , 4 cm

(1)

d) Perimetre = $2 \times 5 + 2 \times 4 = 10 + 8 = 18$ cm

(1)

Activit 2

Number = 3624

a) The remainder when divided by 10 = digit in the unit place = 4

(1)

b) The remainder when divided by 5 = The digit in the ones place
which is less than 5 = 4

(1)

c) The remainder when divided by 2 = 0, The last digit, 4, is

divisible by 2 without remainder (1)

d) The remainder when divided by 4 = 0, The last two digits, 24 is divisible by 4 without remainder (1)

e) The remainder when divided by 100 = 24, The last two digits, 24. (1)

Activity 3

Area = 12 square centimetre

perimetre = 14 centimetre

$$\text{Half of Perimetre} = \frac{14}{2} = 7 \quad (1)$$

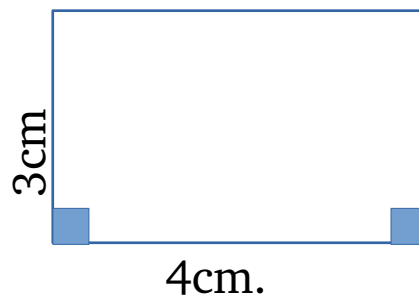
$$\text{Sum of sides} = 7$$

Product of sides = 12

$$4 \times 3 = 12$$

$$4 + 3 = 7$$

Length = 4 cm, Height = 3 cm (1)



To construct rectangle of exact dimensions using the set square in the geometry box (3)

Activity 4

a) If $125 \times 8 = 1000$ then $125 \times 24 = 125 \times 8 \times 3 = 1000 \times 3 = 3000$ (1)

b) If $900 \div 3 = 300$ then, $900 \div 15 = 300 \div 5 = 60$
 $15 = 3 \times 5$ (2)

c) 90 biscuits are to be distributed among 15 children.
 The biscuits each person gets $= 90 \div 15$
 $90 \div 3 = 30$, $30 \div 5 = 6$ (2)

(Dividing successively by factors)

Activity 5

Length of Desk is 1 metre 90 centimetres

a) Length of desk in fraction $= 1 \frac{90}{100}$ metre (2)

b) Length of desk in metre $= 1.90$ metre (2)

c) Length of desk in centimetre $= 190$ cm (1)

Activity 6

a) $420 = 7 \times 60$
 $= 7 \times 6 \times 10 \dots$
 $= 7 \times \dots 2 \dots \times 3 \times \dots 2 \dots \times 5$ (2)

b) $105 = 5 \times 21$
 $= 5 \times 3 \times 7 \dots$ (1)

c) $\frac{420}{105} = 2 \times 2 = 4$ (Eliminating common factors) (2)

Activity 7

- a) The month in which the maximum electricity was used = April (1)
- b) The month in which the minimum electricity was used = June (1)
- c) Months in which same amount of electricity get used = March, May (1)
- d) The amount of electricity used in February? = 150 units (1)
- e) The difference of the amount of electricity used
in January and June = $100 - 50 = 50$ units (1)
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