



Summer Fields School

KAILASH COLONY, NEW DELHI-110048

Academic Session 2021-2022

MATHEMATICS

Class IV

TOPIC- AREA & WORKBOOK EXERCISE

AREA

(To be done in the notebook)

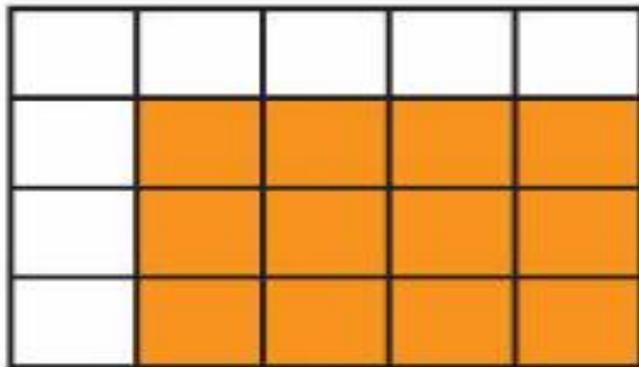
DEFINITION –The measurement of the region enclosed by a plane figure is called the Area of the figure.

The area is always expressed in square unit.



Example 2

Measure the area of the coloured portion. Each square is 1 cm in length and breadth -



Solution :

To find the area of the coloured portion, we will count the number of coloured squares.

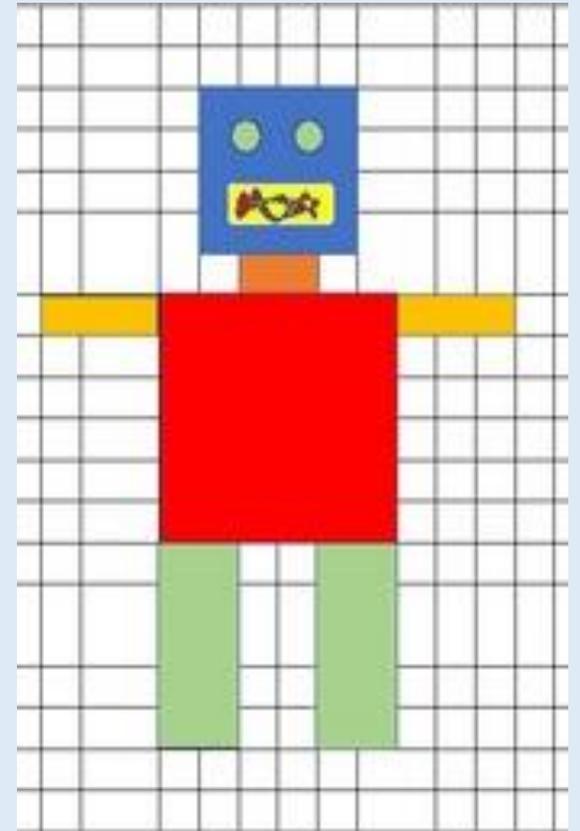
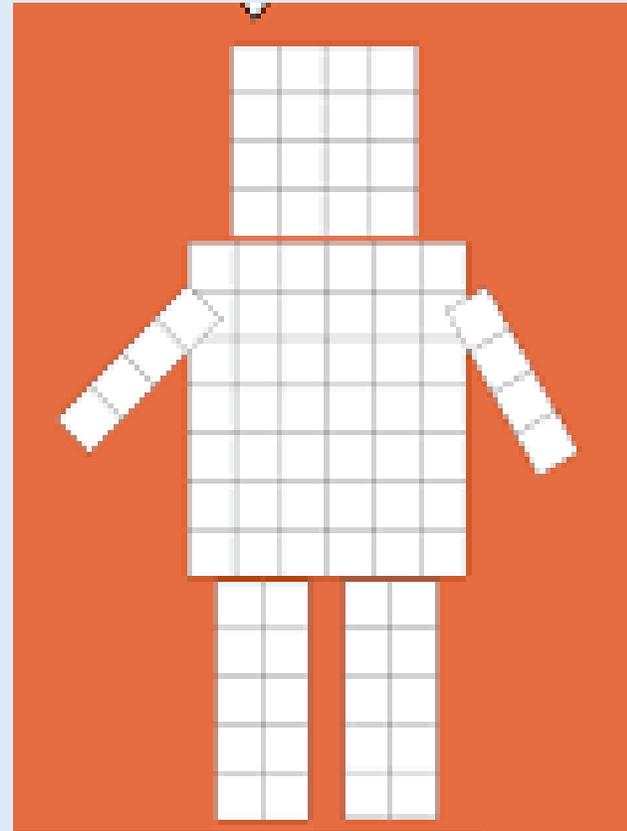
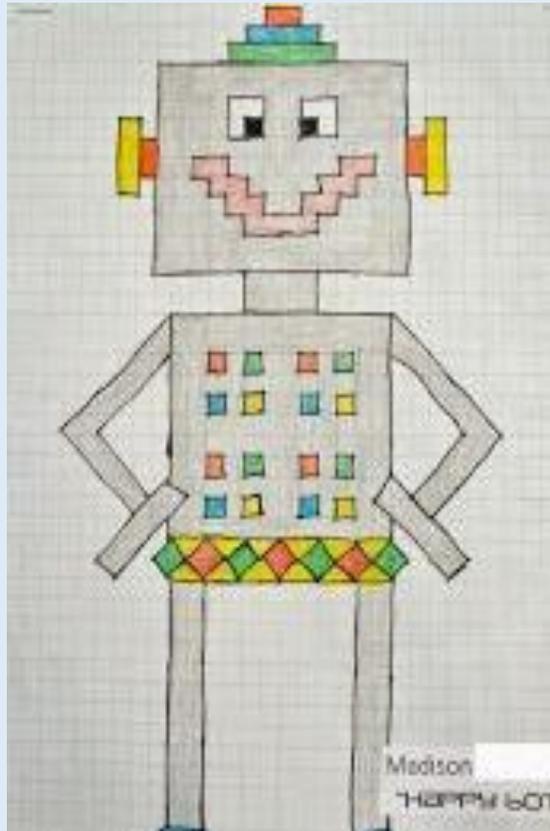
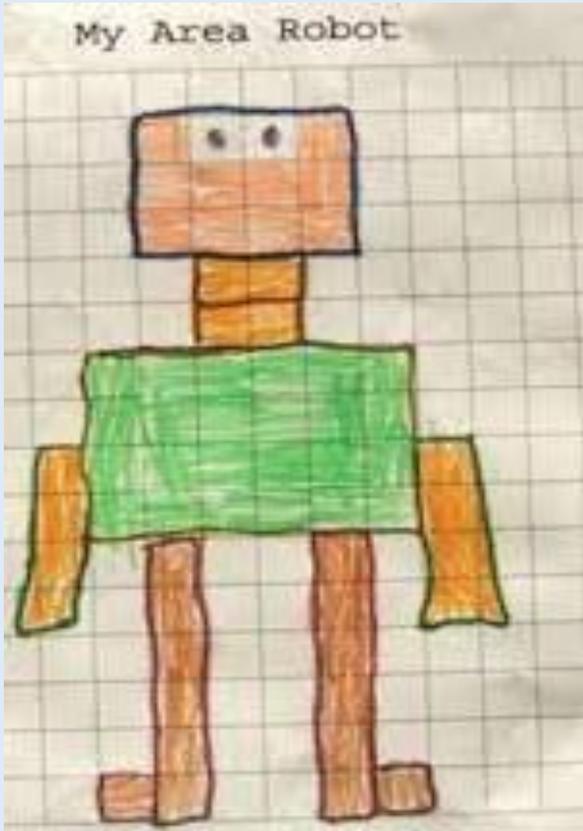
Number of coloured squares = 12

Therefore, area of the coloured portion = 12 Square cm

ACTIVITY TIME

TOPIC – MY AREA ROBOT

Draw and colour a Robot on a graph paper. Find out its Area and write in square units. Some samples are shown below for your reference.



Note:- Area is always measured in square units so while drawing your robot use complete squares only

WORKSHEET – 1

1. Find the perimeter of these squares :

Side of Square in cm	5	4	3	6
Perimeter in cm				

2. Find the perimeter of the following rectangles:

Length (cm).	3	7	12	15
Breadth (cm).	2	5	11	6
Perimeter (cm).				

Ans. 1

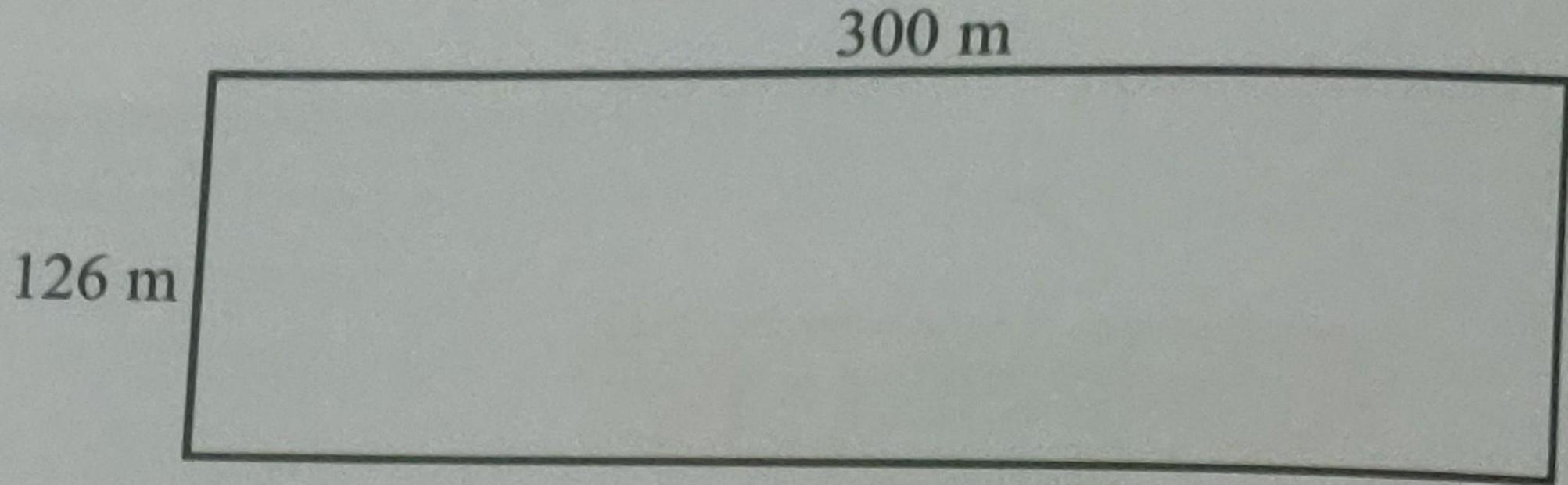
Side of Square in cm	5	4	3	6
Perimeter in cm	20	16	12	24

Ans. 2

Length (cm).	3	7	12	15
Breadth (cm).	2	5	11	6
Perimeter (cm).	10	24	46	42

WORKSHEET - 2

1. Find the perimeter of the given rectangular field.



Perimeter _____

Ans.1

PERIMETER OF A RECTANGLE = $2 \times (\text{LENGTH} + \text{BREADTH})$

- PERIMETER OF THE RECTANGLE = $2 \times (300 \text{ m} + 126 \text{ m})$
- PERIMETER OF THE RECTANGLE = $2 \times 426 \text{ m}$
- PERIMETER OF THE RECTANGLE = 852 m

Q2. A square field is 150 m on each side . If you walk around the field how far would you have walked?

Ans 2.

PERIMETER OF THE SQUARE FIELD = 4 X SIDE

WALKING AROUND THE SQUARE FIELD = 4 X 150 m

WALKING AROUND THE SQUARE FIELD = 600 m

Q3. If perimeter of a square is 100 cm. What is the length of a side?

Ans. 3

PERIMETER OF A SQUARE = 4 X SIDE

PERMETER OF THE GIVEN SQUARE = 100 cm

4 X SIDE = 100 cm

1 side = 100 cm ÷ 4

1 side = 25 cm

Q4. Find the perimeter of a square with each side of 12 cm.

Ans.4

PERIMETER OF A SQUARE = 4 X SIDE

PERMETER OF THE GIVEN SQUARE= 4X 12cm

PERMETER OF THE GIVEN SQUARE = 48 cm

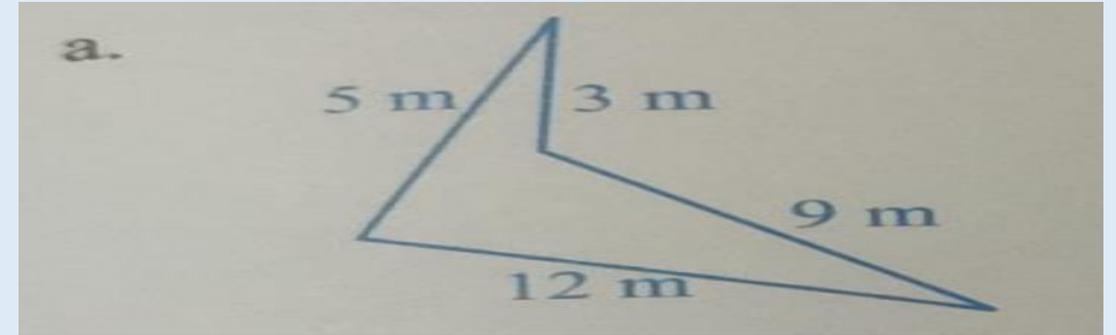
REVISION ASSIGNMENT

Q1) FIND THE PERIMETER OF EACH OF THE FOLLOWING FIGURES :

a) PERIMETER = SUM OF ALL SIDES

$$\text{PERIMETER} = 5\text{m} + 3\text{m} + 9\text{m} + 12\text{m}$$

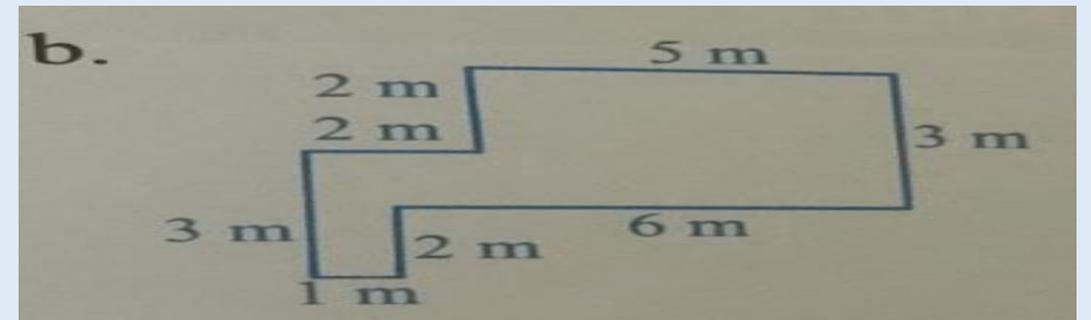
$$\text{PERIMETER} = 29\text{m}$$



b) PERIMETER = SUM OF ALL SIDES

$$\text{PERIMETER} = 5\text{m} + 3\text{m} + 6\text{m} + 2\text{m} + 1\text{m} + 3\text{m} + 2\text{m} + 2\text{m}$$

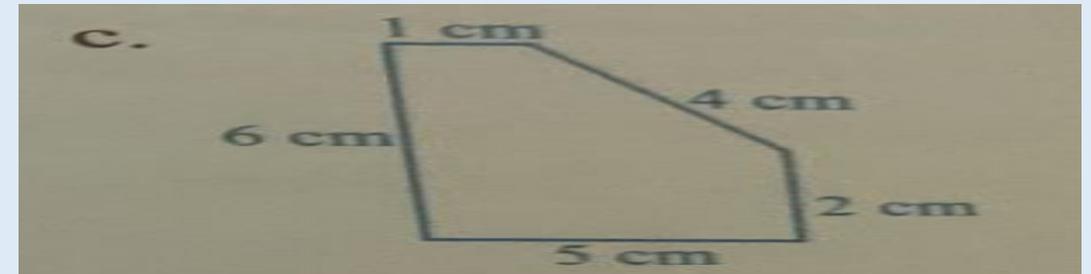
$$\text{PERIMETER} = 24\text{m}$$



c) PERIMETER = SUM OF ALL SIDES

$$\text{PERIMETER} = 1\text{m} + 4\text{m} + 2\text{m} + 5\text{m} + 6\text{m}$$

$$\text{PERIMETER} = 18\text{m}$$



Q2. FIND THE PERIMETER OF A TRIANGLE WHOSE SIDES ARE 31cm 18 cm and 24 cm.

Ans2. PERIMETER = SUM OF ALL SIDES

PERIMETER OF THE GIVEN TRIANGLE= 31 cm + 18cm+ 24cm

PERIMETER OF THE GIVEN TRIANGLE = 73 cm

Q3. FIND THE PERIMETER OF A TRIANGLE TWO OF WHOSE SIDES ARE 25cm EACH AND THE THIRD SIDE IS 36 cm LONG.

Ans3.PERIMETER = SUM OF ALL SIDES

PERIMETER OF THE GIVEN TRIANGLE= 25 cm + 25cm+ 36cm

PERIMETER OF THE GIVEN TRIANGLE = 86cm

Q4. FIND THE PERIMETER OF A SQUARE EACH OF WHOSE SIDES IS 28 m

ANS. 4

PERMETER of A SQUARE = 4 X SIDE

PERIMETER OF THE GIVEN SQUARE = 4 X 28 m

PERMETER OF THE GIVEN SQUARE = 112 M

Q5) FINDING MISSING LENGTH

Ans5.

PERIMETER = 28 cm

MISSING LENGTH = ?

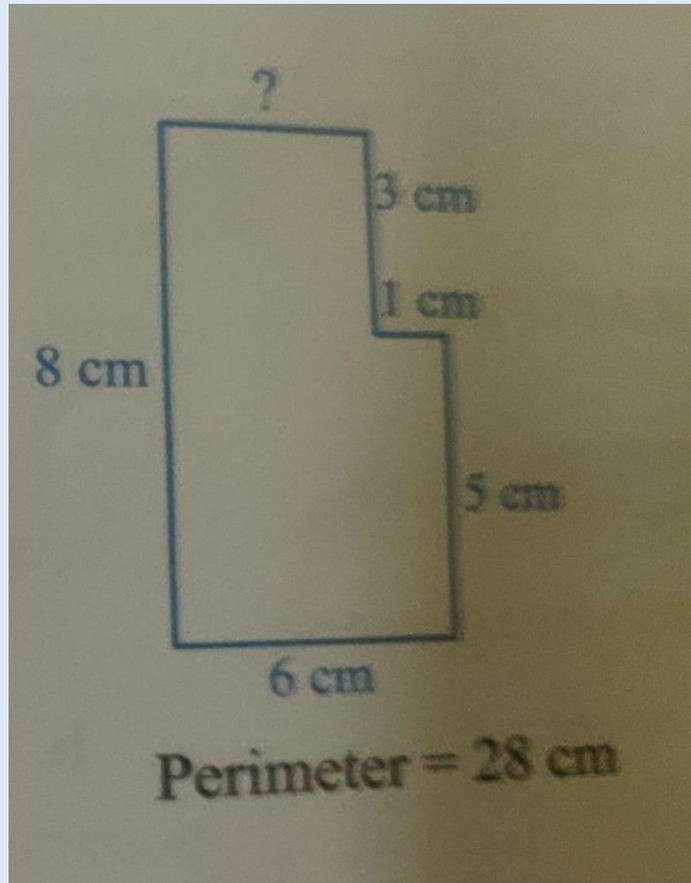
• PERIMETER = SUM OF ALL SIDES

$$28 \text{ cm} = 3\text{cm} + 1\text{cm} + 5\text{cm} + 6\text{cm} + 8\text{cm} + ?$$

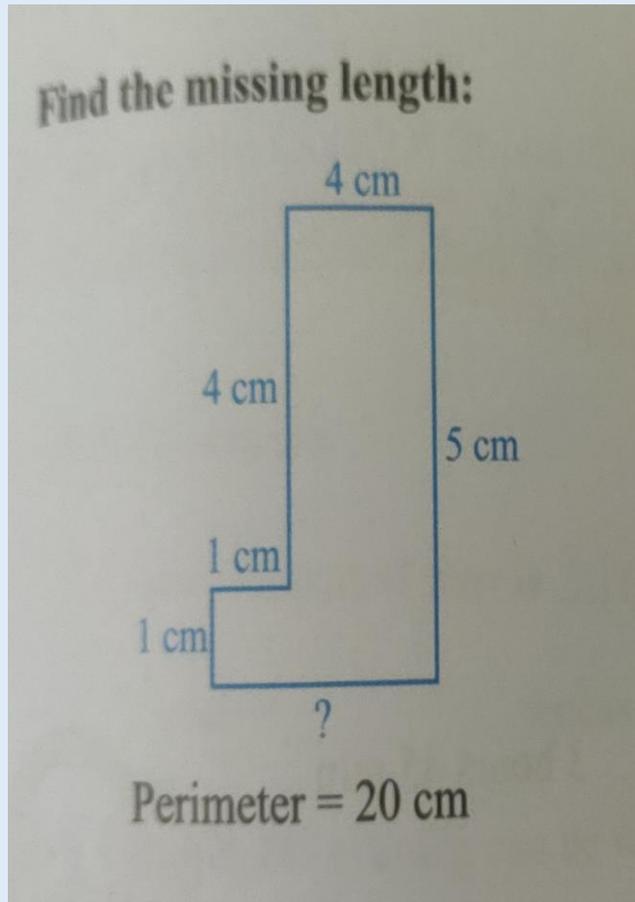
$$28\text{cm} = 23 \text{ cm} + ?$$

$$(\text{MISSING SIDE}) = 28 \text{ cm} - 23 \text{ cm}$$

$$\text{MISSING SIDE} = 5 \text{ cm}$$



Q5) FINDING MISSING LENGTH



Ans5. b)

PERIMETER = 20 cm

MISSING LENGTH = ?

• PERIMETER = SUM OF ALL SIDES

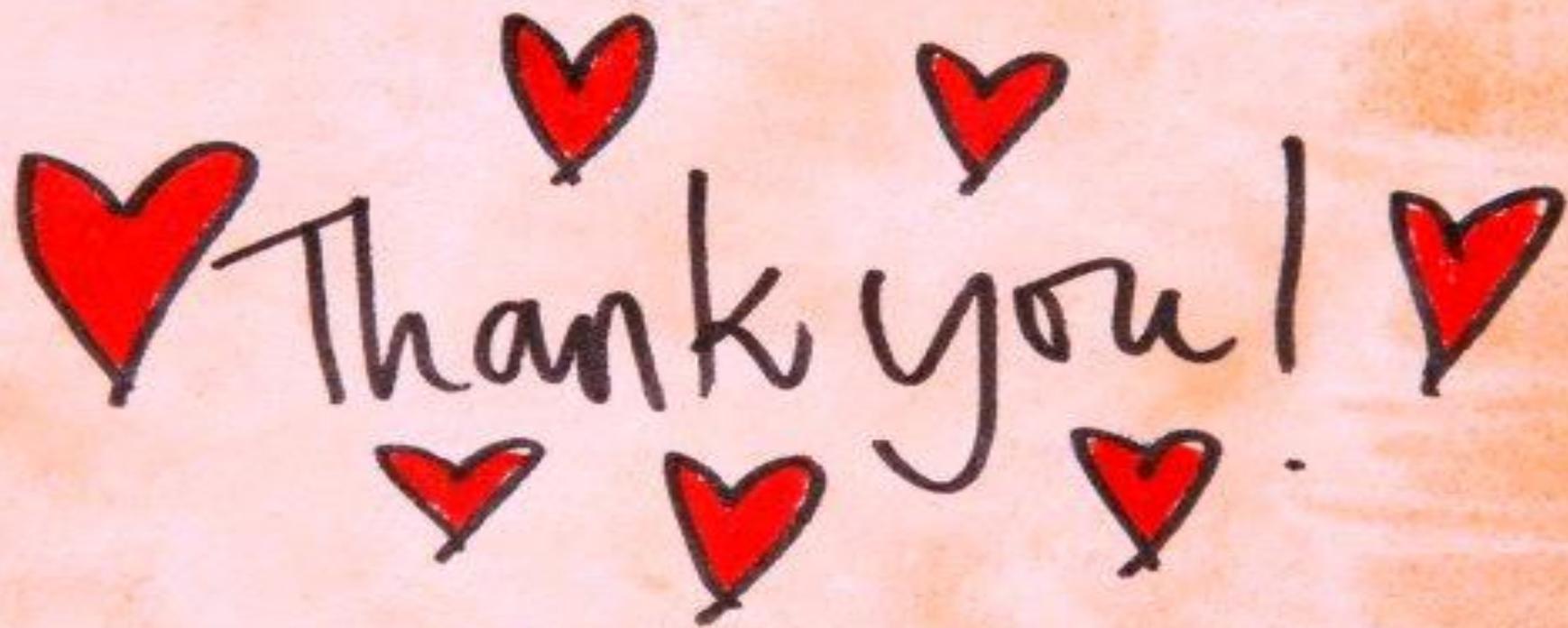
$$20 \text{ cm} = 1\text{cm} + 1\text{cm} + 4\text{cm} + 4\text{cm} + 5\text{cm} + ?$$

$$20\text{cm} = 15 \text{ cm} + ?$$

$20 \text{ cm} - 15 \text{ cm} = ?$ (MISSING SIDE)

Missing side = 5 cm

♥ Thank you! ♥

The text "Thank you!" is written in a black, cursive script. It is surrounded by seven hand-drawn red hearts with black outlines. One large heart is on the left, and another is on the right. Five smaller hearts are arranged around the text: two above and three below.