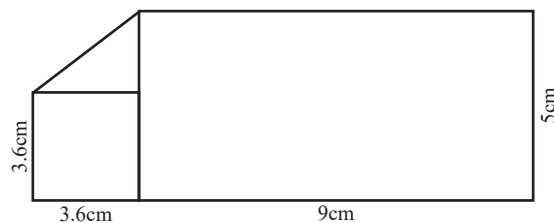


16. Four friends are sharing a room. The bills they need to share at the end of each month is 500. How much should each person pay?
17. If a and b are 2 integers, find $a \times b$ for the following values of a and b .
 - a) $a = 110$ and $b = -20$
 - b) $a = -5$ and $b = -5$
18. Use number line and solve the following:
 - a) $(+4) - (-7)$
 - b) $(-3) - (-7)$
19. Find the value of $(+1) \times (-5)$ and $(+35) \times (-9)$
20. Find the value of:
 - a) $(-4 - 2) - (+3)$
 - b) $(-10) - (+10)$

III. Answer the following: (Any 2)

$$2 \times 5 = 10$$

21. Find the new temperature for the following cases. You can draw a number line.
 - a) The night temperature is -5°C . It raises by 15°C during the day. What is the day temperature?
 - b) The day temperature is 8°C . By noon it is increased by 7°C . Find the temperature at noon.
22. Calculate the area of the given figure. This figure has a rectangle, a square and a right angled triangle.



[Hint: height of the triangle = $5 - 3.6 = 1.4\text{cm}$]

23. If the perimeter of a rhombus is 60 meter. Find its side. If the diagonals are of measure 15cm and 20cm, find its area.

IV. Geometry:

$$1 \times 10 = 10$$

24. Construct a perpendicular bisector of the lines having the following length.
AB = 8.5cm.