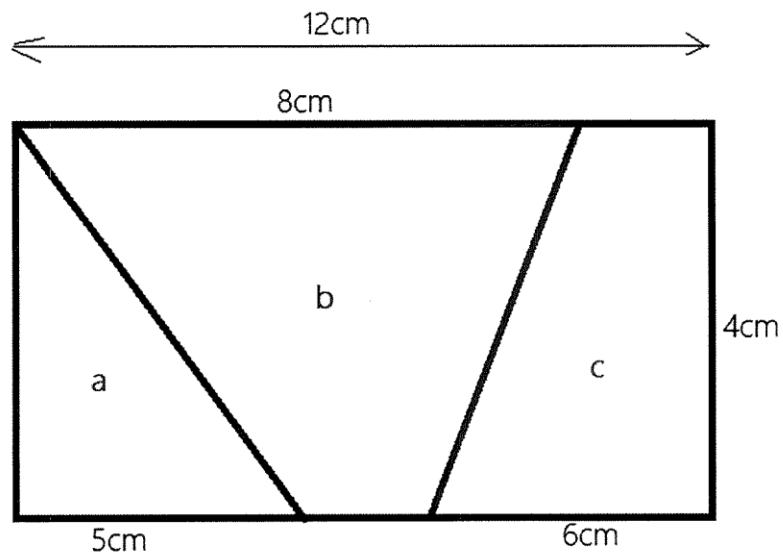
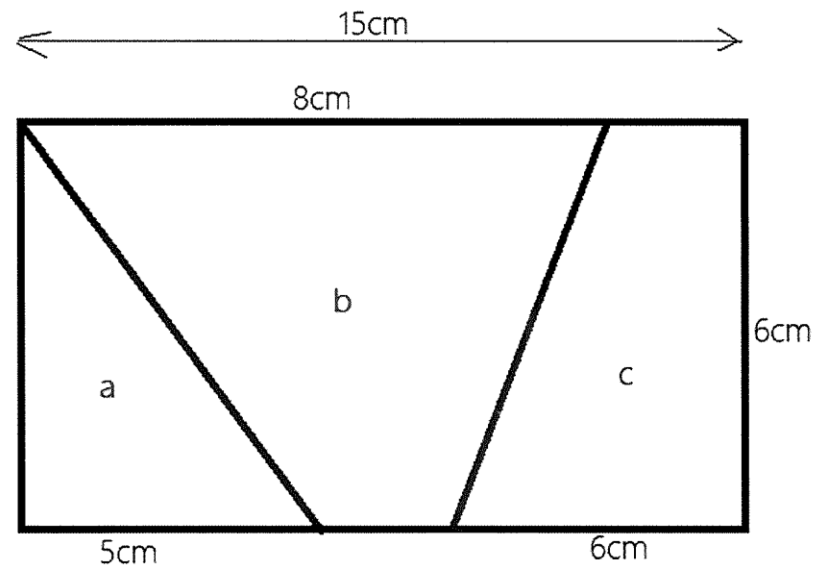


Area: Challenge Problems

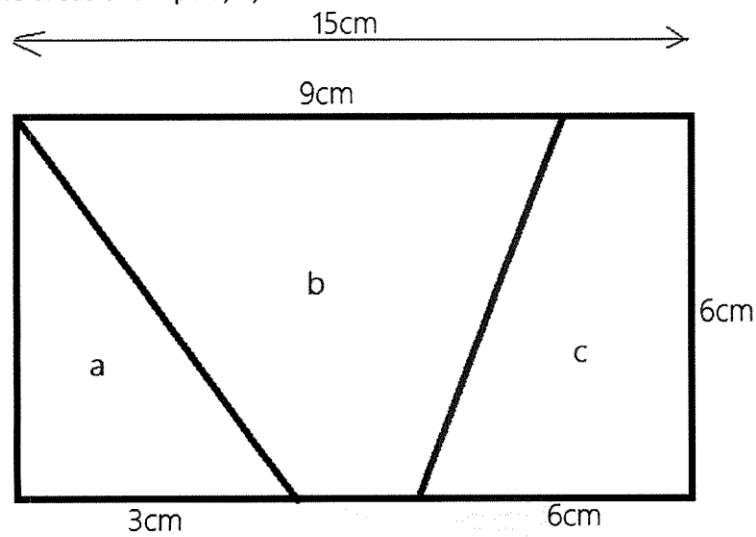
[1] Give the areas of shape a, b, c



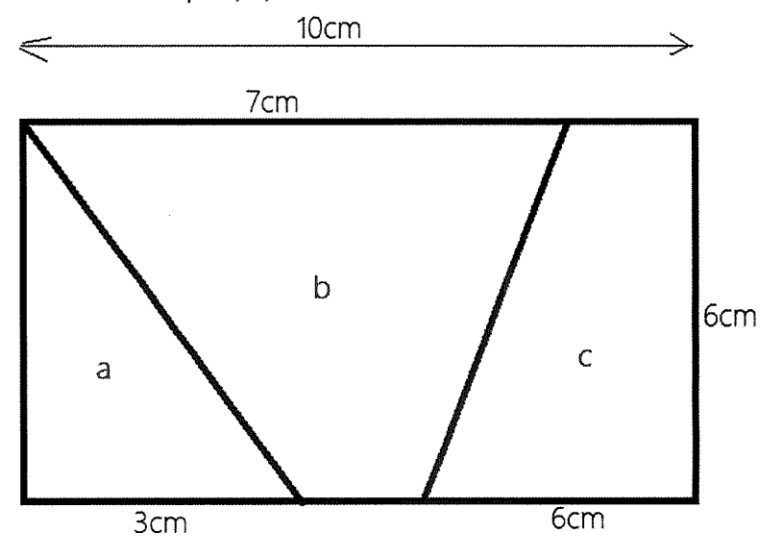
[2] Give the areas of shape a, b, c



[3] Give the areas of shape a, b, c



[4] Give the areas of shape a, b, c



ANSWERS

Answers

$$\textcircled{1} \quad a = \frac{5 \times 4}{2} = \frac{20}{2} = \boxed{10 \text{ cm}^2}$$

$$b = \left(\frac{8+1}{2}\right) 4 = \left(\frac{9}{2}\right) \times 4 = 4.5 \times 4 = \boxed{18 \text{ cm}^2}$$

$$c = \left(\frac{6+4}{2}\right) 4 = \left(\frac{10}{2}\right) 4 = 5 \times 4 = \boxed{20 \text{ cm}^2}$$

$$\textcircled{2} \quad (a) \quad \frac{5 \times 6}{2} = \boxed{15 \text{ cm}^2}$$

$$(b) \quad \left(\frac{8+4}{2}\right) 6 = \left(\frac{12}{2}\right) 6 = \boxed{36 \text{ cm}^2}$$

$$(c) \quad \left(\frac{7+6}{2}\right) 6 = \left(\frac{13}{2}\right) 6 = 6.5 \times 6 = \boxed{39 \text{ cm}^2}$$

$$\textcircled{3} \quad \text{a) } \frac{3 \times 6}{2} = \frac{18}{2} = \boxed{9 \text{ cm}^2}$$

$$\text{b) } \left(\frac{9+6}{2} \right) 6 = \left(\frac{15}{2} \right) 6 = \boxed{45 \text{ cm}^2}$$

$$\text{c) } \left(\frac{6+6}{2} \right) 6 = \left(\frac{12}{2} \right) 6 = 6 \times 6 = \boxed{36 \text{ cm}^2}$$

$$\textcircled{4} \quad \text{(a) } \frac{3 \times 6}{2} = \frac{18}{2} = \boxed{9 \text{ cm}^2}$$

$$\text{(b) } \left(\frac{7+1}{2} \right) 6 = \left(\frac{8}{2} \right) 6 = 4 \times 6 = \boxed{24 \text{ cm}^2}$$

$$\text{(c) } \left(\frac{3+6}{2} \right) 6 = \left(\frac{9}{2} \right) 6 = 4.5 \times 6 = \boxed{27 \text{ cm}^2}$$