

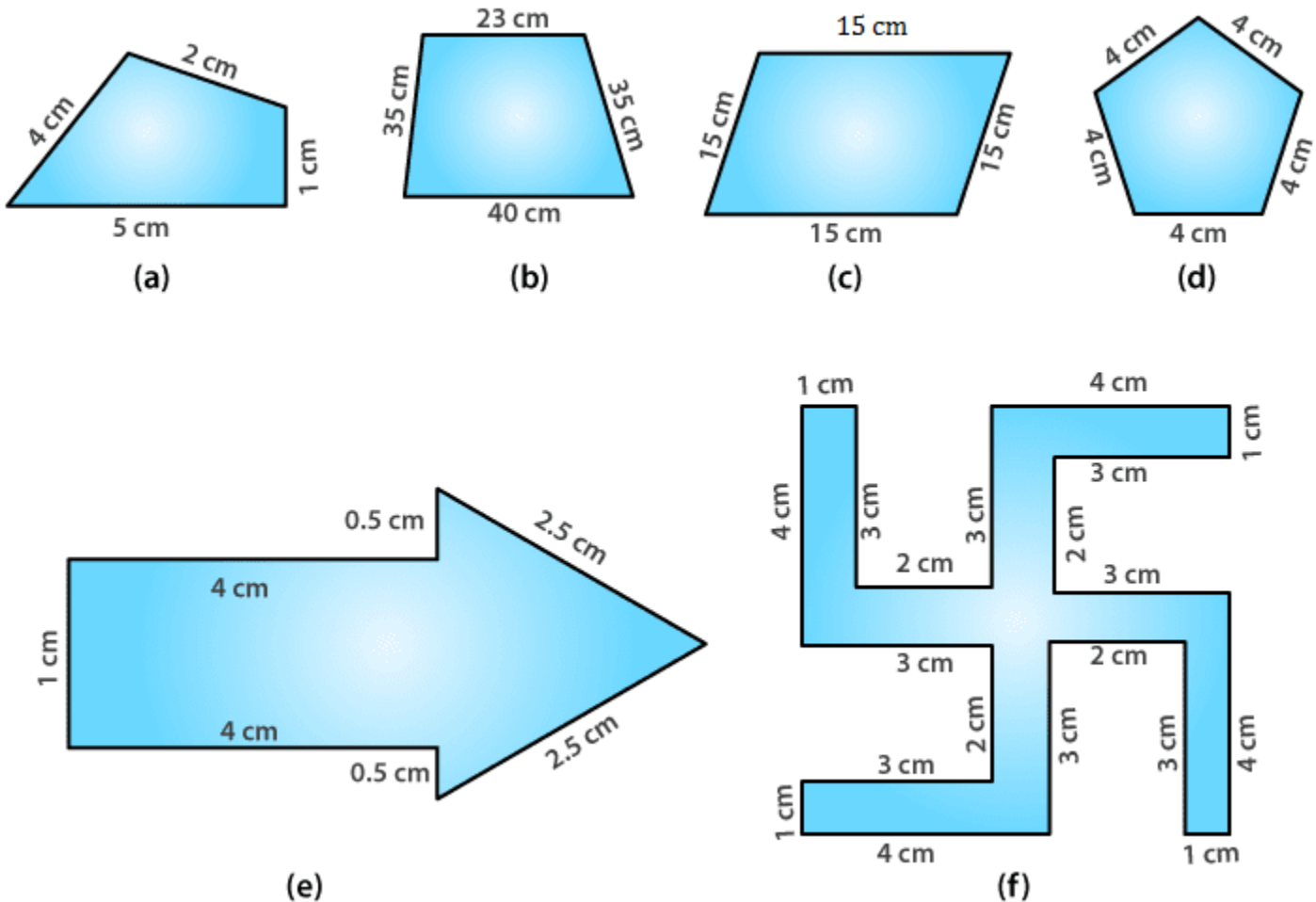
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Class :- 06(Maths)

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1. Find the perimeter of each of the following figures:



Solutions:

(a) Perimeter = Sum of all the sides

$$= 1 + 2 + 4 + 5$$

$$= 12 \text{ cm}$$

(b) Perimeter = Sum of all the sides

$$= 23 + 35 + 35 + 40$$

$$= 133 \text{ cm}$$

(c) Perimeter = Sum of all the sides

$$= 15 + 15 + 15 + 15$$

$$= 60 \text{ cm}$$

(d) Perimeter = Sum of all the sides

$$= 4 + 4 + 4 + 4 + 4$$

$$= 20 \text{ cm}$$

(e) Perimeter = Sum of all the sides

$$= 1 + 4 + 0.5 + 2.5 + 2.5 + 0.5 + 4$$

$$= 15 \text{ cm}$$

(f) Perimeter = Sum of all the sides

$$= 4 + 1 + 3 + 2 + 3 + 4 + 1 + 3 + 2 + 3 + 4 + 1 + 3 + 2 + 3 + 4 + 1 + 3 + 2 + 3$$

$$= 52 \text{ cm}$$

2. The lid of a rectangular box of sides 40 cm by 10 cm is sealed all around with tape. What is the length of the tape required?

Solutions:

Length of required tape = Perimeter of rectangle

$$= 2 (\text{Length} + \text{Breadth})$$

$$= 2 (40 + 10)$$

$$= 2 (50)$$

$$= 100 \text{ cm}$$

∴ Required length of tape is 100 cm

3. A table top measures 2 m 25 cm by 1 m 50 cm. What is the perimeter of the table top?

Solutions:

Length of table top = 2 m 25 cm = 2.25 m

Breadth of table top = 1 m 50 cm = 1.50 m

Perimeter of table top = 2 (Length + Breadth)

$$= 2 (2.25 + 1.50)$$

$$= 2 (3.75)$$

$$= 2 \times 3.75$$

$$= 7.5 \text{ m}$$

∴ The perimeter of the table top is 7.5 m

4. What is the length of the wooden strip required to frame a photograph of length and breadth 32 cm and 21 cm respectively?