

Exercise:



Find the length or breadth of a rectangle given its perimeter and the breadth/length respectively



Find the length of a side of a square given its perimeter

1. The perimeter of a rectangle is 128 cm. Its length is 35 cm. Find the breadth of the rectangle.

$$P = 2 \times (L + B)$$

$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}} \times (\underline{\hspace{2cm}} + B)$$

$$(\underline{\hspace{2cm}} + B) = \underline{\hspace{2cm}} \div 2$$

$$(35 + B) = 64$$

$$B = \underline{\hspace{2cm}} - 35$$

$$B = \underline{\hspace{2cm}} \text{ cm}$$

2. Junaidah walks 200m round a rectangular field once. The length of the field is 60 m. What is the breadth of the field?

$$P = 2 \times (L + B)$$

$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}} \times (\underline{\hspace{2cm}} + B)$$

$$(\underline{\hspace{2cm}} + B) = \underline{\hspace{2cm}} \div 2$$

$$(60 + B) = \underline{\hspace{2cm}}$$

$$B = \underline{\hspace{2cm}} - \underline{\hspace{2cm}}$$

$$B = \underline{\hspace{2cm}} \text{ m}$$

3. The perimeter of a rectangle is 32 cm.
Its breadth is 6 cm. Find its length.

$$P = 2 \times (L + B)$$

$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}} \times (L + \underline{\hspace{2cm}})$$

$$(L + \underline{\hspace{2cm}}) = \underline{\hspace{2cm}} \div 2$$

$$(L + 6) = \underline{\hspace{2cm}}$$

$$L = \underline{\hspace{2cm}} - \underline{\hspace{2cm}}$$

$$L = \underline{\hspace{2cm}} \text{ cm}$$

4. The perimeter of a square is 20 cm.
Find its length of one side of the square.

$$\text{Length} = \text{Perimeter} \div \underline{\hspace{2cm}}$$

$$\text{Length} = \underline{\hspace{2cm}} \div \underline{\hspace{2cm}}$$

$$\text{Length} = \underline{\hspace{2cm}} \text{ cm}$$

5. The perimeter of a rectangle is 26 cm.
Its length is 10 cm. Find its length.

$$P = 2 \times (L + B)$$

$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}} \times (L + \underline{\hspace{2cm}})$$

$$(L + \underline{\hspace{2cm}}) = \underline{\hspace{2cm}} \div 2$$

$$(L + 10) = \underline{\hspace{2cm}}$$

$$L = \underline{\hspace{2cm}} - \underline{\hspace{2cm}}$$

$$L = \underline{\hspace{2cm}} \text{ cm}$$

6. The perimeter of a square is 36 cm.
Find the length of one side of the square.

$$\text{Length} = \text{Perimeter} \div \underline{\hspace{2cm}}$$

$$\text{Length} = \underline{\hspace{2cm}} \div \underline{\hspace{2cm}}$$

$$\text{Length} = \underline{\hspace{2cm}} \text{ cm}$$