

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.

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

$$\underline{\quad} = \underline{\quad} \times (\underline{\quad} + B)$$

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

$$(35 + B) = 64$$

$$B = \underline{\quad} - 35$$

$$B = \underline{\quad} \text{ cm}$$

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

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

$$\underline{\quad} = \underline{\quad} \times (\underline{\quad} + B)$$

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

$$(60 + B) = \underline{\quad}$$

$$B = \underline{\quad} - \underline{\quad}$$

$$B = \underline{\quad} \text{ m}$$

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

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

$$\underline{\quad} = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$$

$$(\underline{\quad} + \underline{\quad}) = \underline{\quad} \div 2$$

$$(\underline{\quad} + 6) = \underline{\quad}$$

$$L = \underline{\quad} - \underline{\quad}$$

$$L = \underline{\quad} \text{ cm}$$

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

$$\text{Length} = \text{Perimeter} \div \underline{\quad}$$

$$\text{Length} = \underline{\quad} \div \underline{\quad}$$

$$\text{Length} = \underline{\quad} \text{ cm}$$

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

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

$$\underline{\quad} = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$$

$$(\underline{\quad} + \underline{\quad}) = \underline{\quad} \div 2$$

$$(\underline{\quad} + 10) = \underline{\quad}$$

$$L = \underline{\quad} - \underline{\quad}$$

$$L = \underline{\quad} \text{ cm}$$

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

$$\text{Length} = \text{Perimeter} \div \underline{\quad}$$

$$\text{Length} = \underline{\quad} \div \underline{\quad}$$

$$\text{Length} = \underline{\quad} \text{ cm}$$