Word Problems
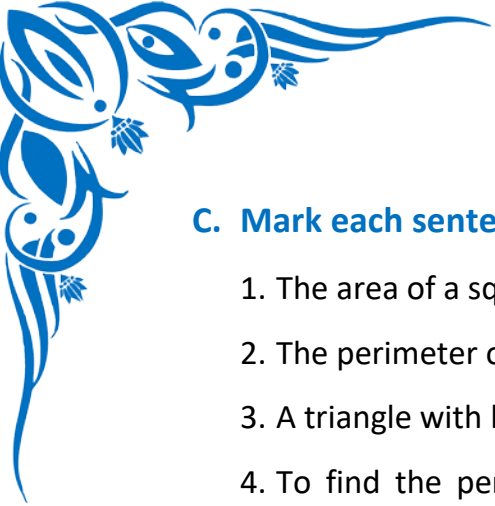
A. Choose the correct answer:

1. A rectangular garden is 20 m long and 10 m wide What is its area

a) 200 m²   b) 30 m²

c) 300 m²   d) 100 m²

2. A square park has a perimeter of 48 m What is the length of each side

a) 10 m   b) 12 m

c) 16 m   d) 14 m

3. The floor of a room is 6 m long and 5 m wide What is the total area

a) 30 m²   b) 11 m²

c) 40 m²   d) 35 m²

4. A rectangular plot has a length of 15 m and breadth of 8 m What is the perimeter

a) 60 m   b) 30 m

c) 46 m   d) 40 m

5. The side of a square is 9 m What is its area

a) 18 m²   b) 27 m²

c) 81 m²   d) 45 m²

B. Write the Missing Terms to Complete the Sentences:

1. A room is 8 m long and 4 m wide Its area is _____ m².

2. A square wall has side 6 m The perimeter is _____ m.

3. The area of a rectangular field with length 12 m and breadth 7 m is _____ m².

4. A square tile has area 25 cm² Its side is _____ cm.

5. A rectangular floor has perimeter 28 m and length 8 m The breadth is _____ m.

C. Mark each sentence with a True (✔) or False (✗):

1. The area of a square with side 5 m is 25 m². _____

2. The perimeter of a rectangle is always greater than its area. _____

3. A triangle with base 10 m and height 5 m has area 25 m². _____

4. To find the perimeter of a rectangle we use the formula length × breadth. _____

5. A square with perimeter 36 m has side 9 m. _____

D. Figure out the answers to these questions:

1. A rectangular table is 2 m long and 1.5 m wide Find its area and perimeter.

2. A square tile has side 30 cm Find its area and how many such tiles are needed to cover a floor of area 9 m².

3. A field is 50 m long and 20 m wide Find how much fencing is needed and what is its total area.

4. A floor is covered with square tiles of side 40 cm How much area does one tile cover.

5. A triangular playground has base 60 m and height 30 m Find the area.

E. Challenge yourself with these questions:

1. A square garden has a side of 15 m Find its perimeter and area.

2. A rectangular classroom is 10 m long and 7 m wide Find the area and how much carpet is needed to cover it.

3. A farmer wants to fence his rectangular field of length 35 m and width 20 m Find the length of the fence needed.

4. A triangular field has base 24 m and height 10 m Find the area of the field.

5. A rectangular poster has length 60 cm and breadth 40 cm Find the total area and boundary length.