

Name : \_\_\_\_\_

Score : \_\_\_\_\_ Date : \_\_\_\_\_

## Area and Perimeter of Rectangle - Word Problems

Solve the following word problems

- [1] A piece of wood was cut such that its length becomes 16 ft and width 12 ft. Find the area and perimeter of wood.

Answer :

- [2] A rectangular swimming pool is 30 cm wide and 40 cm in length. Find the total area and perimeter of the swimming pool.

Answer :

- [3] A rug had a length of 8 cm and a width of 6 cm. What is the area and perimeter of the rug ?

Answer :

- [4] Smith is a farmer. His land is 250 m wide and 500 m long. He wants to install a fence all around his land. What is the perimeter of the fence that he needs to construct ?

Answer :

- [5] The area of an aluminium sheet is  $150 \text{ m}^2$ . If the length of the sheet is 25 m. Find the width and perimeter of the sheet.

Answer :

- [6] The area of an apple orchard is  $5200 \text{ ft}^2$ . Find the length of the rectangular orchard, if it's width is 75 ft.

Answer :

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## Area and Perimeter of Rectangle - Word Problems

### Answers

- 1] A piece of wood was cut such that its length becomes 16 ft and width 12 ft. Find the area and perimeter of wood.

Answer: Area =  $192 \text{ ft}^2$ , Perimeter = 56 ft

- 2] A rectangular swimming pool is 30 cm wide and 40 cm in length. Find the total area and perimeter of the swimming pool.

Answer: Area =  $1,200 \text{ cm}^2$ , Perimeter = 140 cm

- 3] A rug had a length of 8 cm and a width of 6 cm. What is the area and perimeter of the rug ?

Answer: Area =  $48 \text{ cm}^2$ , Perimeter = 28 cm

- 4] Smith is a farmer. His land is 250 m wide and 500 m long. He wants to install a fence all around his land. What is the perimeter of the fence that he needs to construct ?

Answer: Perimeter = 1,500 m

- 5] The area of an aluminium sheet is  $150 \text{ m}^2$ . If the length of the sheet is 25 m. Find the width and perimeter of the sheet.

Answer: Width = 6 m, Perimeter = 62 m

- 6] The area of an apple orchard is  $5200 \text{ ft}^2$ . Find the length of the rectangular orchard, if it's width is 75 ft.

Answer: Length = 69.33 ft