Name: _____ Date: _____

Area and Perimeter Word Problems

Grade 4 | Area and perimeter of rectangles, including a missing side | Version 3 of 10

Area = length × width (square units). Perimeter = the distance around = length + width + length + width. Show your work and write the unit.

1. A rectangular patio has an area of 135 square feet. It is 9 feet wide. How long is it?

Answer: _____

2. A rectangular classroom floor is 11 meters long and 8 meters wide. What is its perimeter?

Answer: _____

3. A rectangular soccer field is 10 yards long and 3 yards wide. What is its area?

Answer: _____

4. A rectangular classroom floor has a perimeter of 22 meters. It is 3 meters wide. How long is it?

Answer: _____

5. A rectangular playground has an area of 14 square yards. It is 2 yards wide. How long is it?

Answer: _____

6. A rectangular tablecloth has a perimeter of 34 inches. It is 6 inches wide. How long is it?

Answer: _____

7. A rectangular photo is 9 inches long and 7 inches wide. What is its perimeter?

Answer: _____

8. A rectangular poster is 13 inches long and 6 inches wide. What is its area?

Answer: _____

Area and Perimeter Word Problems - ANSWER KEY

Grade 4 | Area and perimeter of rectangles, including a missing side | Version 3 of 10

Area = length × width (square units). Perimeter = the distance around = length + width + length + width. Show your work and write the unit.

1. A rectangular patio has an area of 135 square feet. It is 9 feet wide. How long is it?

Answer: **15 feet**

2. A rectangular classroom floor is 11 meters long and 8 meters wide. What is its perimeter?

Answer: **38 meters**

3. A rectangular soccer field is 10 yards long and 3 yards wide. What is its area?

Answer: **30 square yards**

4. A rectangular classroom floor has a perimeter of 22 meters. It is 3 meters wide. How long is it?

Answer: **8 meters**

5. A rectangular playground has an area of 14 square yards. It is 2 yards wide. How long is it?

Answer: **7 yards**

6. A rectangular tablecloth has a perimeter of 34 inches. It is 6 inches wide. How long is it?

Answer: **11 inches**

7. A rectangular photo is 9 inches long and 7 inches wide. What is its perimeter?

Answer: **32 inches**

8. A rectangular poster is 13 inches long and 6 inches wide. What is its area?

Answer: **78 square inches**