Area and Perimeter Word Problems - ANSWER KEY

Grade 4 | Area and perimeter of rectangles, including a missing side | Version 1 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 parking lot is 10 meters long and 4 meters wide. What is its perimeter?

Answer: **28 meters**

2. A rectangular photo has a perimeter of 14 inches. It is 2 inches wide. How long is it?

Answer: **5 inches**

3. A rectangular soccer field has an area of 112 square yards. It is 8 yards wide. How long is it?

Answer: **14 yards**

4. A rectangular vegetable bed is 11 feet long and 3 feet wide. What is its area?

Answer: **33 square feet**

5. A rectangular tablecloth is 7 inches long and 3 inches wide. What is its perimeter?

Answer: **20 inches**

6. A rectangular vegetable bed has an area of 54 square feet. It is 6 feet wide. How long is it?

Answer: **9 feet**

7. A rectangular playground is 12 yards long and 9 yards wide. What is its area?

Answer: **108 square yards**

8. A rectangular rug has a perimeter of 20 feet. It is 4 feet wide. How long is it?

Answer: **6 feet**

Area and Perimeter Word Problems - ANSWER KEY

Grade 4 | Area and perimeter of rectangles, including a missing side | Version 2 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 parking lot has an area of 84 square meters. It is 7 meters wide. How long is it?

Answer: **12 meters**

2. A rectangular parking lot is 12 meters long and 11 meters wide. What is its perimeter?

Answer: **46 meters**

3. A rectangular vegetable bed is 13 feet long and 5 feet wide. What is its perimeter?

Answer: **36 feet**

4. A rectangular poster is 10 inches long and 5 inches wide. What is its area?

Answer: **50 square inches**

5. A rectangular parking lot is 7 meters long and 3 meters wide. What is its area?

Answer: **21 square meters**

6. A rectangular classroom floor has a perimeter of 30 meters. It is 2 meters wide. How long is it?

Answer: **13 meters**

7. A rectangular rug has an area of 21 square feet. It is 3 feet wide. How long is it?

Answer: **7 feet**

8. A rectangular bulletin board has a perimeter of 38 feet. It is 6 feet wide. How long is it?

Answer: **13 feet**

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**

Area and Perimeter Word Problems - ANSWER KEY

Grade 4 | Area and perimeter of rectangles, including a missing side | Version 4 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 soccer field has a perimeter of 48 yards. It is 11 yards wide. How long is it?

Answer: **13 yards**

2. A rectangular classroom floor is 9 meters long and 3 meters wide. What is its area?

Answer: **27 square meters**

3. A rectangular soccer field has an area of 56 square yards. It is 7 yards wide. How long is it?

Answer: **8 yards**

4. A rectangular parking lot has an area of 80 square meters. It is 8 meters wide. How long is it?

Answer: **10 meters**

5. A rectangular patio is 10 feet long and 6 feet wide. What is its perimeter?

Answer: **32 feet**

6. A rectangular tablecloth is 9 inches long and 6 inches wide. What is its area?

Answer: **54 square inches**

7. A rectangular poster is 8 inches long and 2 inches wide. What is its perimeter?

Answer: **20 inches**

8. A rectangular poster has a perimeter of 22 inches. It is 4 inches wide. How long is it?

Answer: **7 inches**

Area and Perimeter Word Problems - ANSWER KEY

Grade 4 | Area and perimeter of rectangles, including a missing side | Version 5 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 garden has a perimeter of 28 feet. It is 3 feet wide. How long is it?

Answer: **11 feet**

2. A rectangular bulletin board is 13 feet long and 9 feet wide. What is its area?

Answer: **117 square feet**

3. A rectangular tablecloth is 11 inches long and 9 inches wide. What is its perimeter?

Answer: **40 inches**

4. A rectangular classroom floor has a perimeter of 20 meters. It is 2 meters wide. How long is it?

Answer: **8 meters**

5. A rectangular patio is 8 feet long and 6 feet wide. What is its area?

Answer: **48 square feet**

6. A rectangular patio has an area of 112 square feet. It is 8 feet wide. How long is it?

Answer: **14 feet**

7. A rectangular classroom floor has an area of 55 square meters. It is 5 meters wide. How long is it?

Answer: **11 meters**

8. A rectangular bulletin board is 6 feet long and 2 feet wide. What is its perimeter?

Answer: **16 feet**

Area and Perimeter Word Problems - ANSWER KEY

Grade 4 | Area and perimeter of rectangles, including a missing side | Version 6 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 a perimeter of 22 feet. It is 5 feet wide. How long is it?

Answer: **6 feet**

2. A rectangular poster is 12 inches long and 6 inches wide. What is its perimeter?

Answer: **36 inches**

3. A rectangular vegetable bed is 15 feet long and 6 feet wide. What is its area?

Answer: **90 square feet**

4. A rectangular tablecloth has an area of 60 square inches. It is 6 inches wide. How long is it?

Answer: **10 inches**

5. A rectangular photo has a perimeter of 22 inches. It is 4 inches wide. How long is it?

Answer: **7 inches**

6. A rectangular classroom floor is 10 meters long and 2 meters wide. What is its perimeter?

Answer: **24 meters**

7. A rectangular classroom floor has an area of 120 square meters. It is 10 meters wide. How long is it?

Answer: **12 meters**

8. A rectangular tablecloth is 9 inches long and 8 inches wide. What is its area?

Answer: **72 square inches**

Area and Perimeter Word Problems - ANSWER KEY

Grade 4 | Area and perimeter of rectangles, including a missing side | Version 7 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 garden is 12 feet long and 5 feet wide. What is its perimeter?

Answer: **34 feet**

2. A rectangular photo is 10 inches long and 7 inches wide. What is its perimeter?

Answer: **34 inches**

3. A rectangular poster is 5 inches long and 3 inches wide. What is its area?

Answer: **15 square inches**

4. A rectangular soccer field has a perimeter of 28 yards. It is 2 yards wide. How long is it?

Answer: **12 yards**

5. A rectangular playground has an area of 112 square yards. It is 8 yards wide. How long is it?

Answer: **14 yards**

6. A rectangular patio is 13 feet long and 9 feet wide. What is its area?

Answer: **117 square feet**

7. A rectangular parking lot has a perimeter of 50 meters. It is 11 meters wide. How long is it?

Answer: **14 meters**

8. A rectangular vegetable bed has an area of 27 square feet. It is 3 feet wide. How long is it?

Answer: **9 feet**

Area and Perimeter Word Problems - ANSWER KEY

Grade 4 | Area and perimeter of rectangles, including a missing side | Version 8 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 poster is 12 inches long and 2 inches wide. What is its area?

Answer: **24 square inches**

2. A rectangular poster has an area of 15 square inches. It is 3 inches wide. How long is it?

Answer: **5 inches**

3. A rectangular garden has an area of 80 square feet. It is 8 feet wide. How long is it?

Answer: **10 feet**

4. A rectangular soccer field is 9 yards long and 5 yards wide. What is its area?

Answer: **45 square yards**

5. A rectangular parking lot has a perimeter of 20 meters. It is 4 meters wide. How long is it?

Answer: **6 meters**

6. A rectangular tablecloth has a perimeter of 44 inches. It is 10 inches wide. How long is it?

Answer: **12 inches**

7. A rectangular photo is 11 inches long and 10 inches wide. What is its perimeter?

Answer: **42 inches**

8. A rectangular photo is 9 inches long and 3 inches wide. What is its perimeter?

Answer: **24 inches**

Area and Perimeter Word Problems - ANSWER KEY

Grade 4 | Area and perimeter of rectangles, including a missing side | Version 9 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 tablecloth is 7 inches long and 2 inches wide. What is its perimeter?

Answer: **18 inches**

2. A rectangular photo has a perimeter of 42 inches. It is 10 inches wide. How long is it?

Answer: **11 inches**

3. A rectangular classroom floor is 14 meters long and 5 meters wide. What is its area?

Answer: **70 square meters**

4. A rectangular tablecloth is 15 inches long and 5 inches wide. What is its perimeter?

Answer: **40 inches**

5. A rectangular vegetable bed is 12 feet long and 9 feet wide. What is its area?

Answer: **108 square feet**

6. A rectangular rug has an area of 48 square feet. It is 6 feet wide. How long is it?

Answer: **8 feet**

7. A rectangular rug has a perimeter of 40 feet. It is 6 feet wide. How long is it?

Answer: **14 feet**

8. A rectangular photo has an area of 24 square inches. It is 2 inches wide. How long is it?

Answer: **12 inches**

Area and Perimeter Word Problems - ANSWER KEY

Grade 4 | Area and perimeter of rectangles, including a missing side | Version 10 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 playground has a perimeter of 32 yards. It is 4 yards wide. How long is it?

Answer: **12 yards**

2. A rectangular vegetable bed has an area of 80 square feet. It is 8 feet wide. How long is it?

Answer: **10 feet**

3. A rectangular parking lot is 14 meters long and 2 meters wide. What is its perimeter?

Answer: **32 meters**

4. A rectangular garden has a perimeter of 54 feet. It is 12 feet wide. How long is it?

Answer: **15 feet**

5. A rectangular classroom floor is 14 meters long and 2 meters wide. What is its area?

Answer: **28 square meters**

6. A rectangular patio is 4 feet long and 2 feet wide. What is its perimeter?

Answer: **12 feet**

7. A rectangular garden has an area of 78 square feet. It is 6 feet wide. How long is it?

Answer: **13 feet**

8. A rectangular rug is 9 feet long and 8 feet wide. What is its area?

Answer: **72 square feet**