

Unit 7: Two-Dimensional Shapes and Perimeter

ADVANCED · SET 4

Name: _____ Date: _____

Solve each problem and write your answer with its unit. Show your work on scrap paper.

1. A rectangular soccer field is 145 m long and 78 m wide. What is the perimeter of the field?

Answer: _____

3. A rectangular photo is 15 cm long and 9 cm wide. A square photo has the SAME perimeter as the rectangular photo. How long is one side of the square photo?

Answer: _____

5. A rectangular goat pen is 23 m long and 16 m wide. Mia puts a fence all the way around it, except for a 3 m gate that needs no fence. How many metres of fence does Mia need?

Answer: _____

7. A classroom floor is a rectangle 15 ft long and 12 ft wide. A rectangular rug 9 ft long and 6 ft wide is placed on the floor. How much of the floor is NOT covered by the rug?

Answer: _____

9. Two rectangles each have a perimeter of 40 cm. The first rectangle is 12 cm by 8 cm. The second rectangle is 15 cm by 5 cm. How much bigger is the area of the first rectangle than the area of the second?

Answer: _____

2. A rectangular vegetable garden has a perimeter of 86 m. One of its sides is 17 m long. How long is the side next to it?

Answer: _____

4. A rectangular sticker has an area of 72 square cm. One of its sides is 8 cm long. What is the perimeter of the sticker?

Answer: _____

6. A kite is shaped like a quadrilateral with a perimeter of 96 cm. Three of its sides are 28 cm, 19 cm, and 24 cm. How long is the fourth side?

Answer: _____

8. A square window has a perimeter of 108 cm. What is the area of the window?

Answer: _____

10. A running track is shaped like a rectangle 60 m long and 40 m wide. Ana runs 1,000 m in total. How many full laps around the track does she run?

Answer: _____

11. All 4 sides of a rhombus are the same length. A rhombus-shaped tile has a perimeter of 92 cm. How long is each side?

Answer: _____