TASK #1

You want to carpet a small bedroom that measures 15 ft. x 7 ft. Draw a picture to represent the dimensions of the floor, and figure out how much carpet you will need.

TASK #2

You need to re-tile a large kitchen that is 13 meters wide and 9 meters long. Draw a picture to represent the dimensions of the kitchen, and figure out the amount of tile you will need to buy to cover the floor.

TASK #3

A museum wants to create a wall mural that measures 22 feet long by 19 feet wide. Draw a picture to represent the dimensions of the mural, and figure out how many square feet will the mural will be.

TASK #4

A glass company is creating a piece of glass to cover a conference table in an office board room. The table measures 12 meters by 6 meters. Draw a picture to represent the dimensions of the piece of glass, and figure out the total area.

TASK #5

A farmer is making a large pen for all of his pigs. The space will be rectangular and measure 26 feet by 14 feet. He wants to build a fence to go around the pen. Draw a picture to represent the dimension of the pen, and figure out the perimeter of the fence.

TASK #6

Leah is adding a decorative border to the walls of her baby's nursery. The border will go all around the room which measures 15 feet by 16 feet. Draw a picture to represent the dimensions of the room, and figure out how much border she will need to buy.

TASK #7

A school wants to add new baseboards to go around the outsides of the floor of their cafeteria. The café measures 62 m x 75 m. Draw a picture to represent the dimensions of the café, and figure out how much baseboard material they will need to buy.

TASK #8

A city will need to rope off an area of their park for a community event. To make room for a big crowd the area will need to be 120 m by 225 m. Draw a picture to represent the dimensions of the area and figure out how much rope they will need to make sure the area is completely enclosed by the rope.

TASK #9

Draw and label the dimensions of a shape that has an area of 625 square meters. (Keep in mind this does NOT have to be a square or rectangle.)

TASK #10

Draw and label the dimensions of a shape that has an area of 436 square yards. (Keep in mind this does NOT have to be a square or rectangle.)

TASK #11

Draw and label the dimensions of a shape that has an area of 315 square feet. (Keep in mind this does NOT have to be a square or rectangle.)

TASK #12

Draw and label the dimensions of a shape that has an area of 868 square inches. (Keep in mind this does NOT have to be a square or rectangle.

TASK #13

Draw and label the dimensions of a shape that has a perimeter of 67 meters. (Keep in mind this does NOT have to be a square or rectangle.)

TASK #14

Draw and label the dimensions of a shape that has a perimeter of 427 yards. (Keep in mind this does NOT have to be a square or rectangle.)

TASK #15

Draw and label the dimensions of a shape that has a perimeter of 945 feet. (Keep in mind this does NOT have to be a square or rectangle.)

TASK #16

Draw and label the dimensions of a shape that has a perimeter of 1,254 inches. (Keep in mind this does NOT have to be a square or rectangle.

*TASK #17

You found a rug that is 14 ft. x 4 ft. and you want to know if it will fit in your square room that measures 256 square ft. Draw a picture that represents the dimensions of the room and the rug. Explain how and why the rug fits or doesn't fit into the room.

*TASK #18

Ben wants to build a large table measuring 7 feet x 7 feet. He is also planning to build 8 chairs to go with the table. The square room where he wants to put the table & chairs measures 64 square feet. Draw a picture that represents the dimensions of the table and the room. Explain how and why the table & chairs will or won't work well in a room that size.

*TASK #19

A small neighborhood pool measures 20 feet by 24 feet. Some friends want to float 16 rafts each measuring 5 ft. x 6 ft. in the pool all at the same time. Draw a scaled picture to show what this might look like and explain if it will be possible for them to float all 16 rafts.

*TASK #20

The local library recently added a new area. It measures 20 yards long and 13 yards wide. The librarians would like to order bookshelves to stretch along both of the long walls and one of the short walls in the area. Each bookshelf is 6 feet wide. Draw a picture to represent the dimensions of the area and the bookshelves. Then tell how many bookshelves the library can buy to make the librarians happy.

Area & Perimeter Task Cards Answer Key

1. **15 ft x 7 ft = 105 square feet**
2. **13 m x 9 m = 117 square meters**
3. **22 ft x 19 ft = 418 square feet**
4. **12 m x 6 m = 72 square meters**
5. **26 ft + 26 ft + 14 ft + 14 ft = 80 feet of fence**
6. **16 ft + 16 ft + 15 ft + 15 ft = 62 feet of border**
7. **75 m + 75 m + 62 m + 62 m = 274 meters of baseboard**
8. **225 m + 225 m + 120 m + 120 m = 690 meters of rope**
9. **Answers will vary**
10. **Answers will vary**
11. **Answers will vary**
12. **Answers will vary**
13. **Answers will vary**
14. **Answers will vary**
15. **Answers will vary**
16. **Answers will vary**

Area & Perimeter Task Cards
Answer Key

Answers for #17 - #20 will also vary, but below are possibilities.

17. The rug will fit into the room. The walls of the square room are each 16 feet long. The rug is only 14 feet long, so it will fit into the room.

18. The table & chairs will fit into the room, but it would be difficult for anyone to pull out a chair to sit. The room is 8 ft x 8 ft. The table is 7 ft. x 7 ft. That only leaves one foot (12 inches) between the table and the wall for the chairs which will not work well for people to sit.

19. Yes it is possible to float all 16 rafts. The area of the pool is 480 square feet. Each of the rafts is 30 square feet, which divides evenly into 480 with an answer of 16. The rafts will fit in four perfect rows & columns in the pool.

20. The library needs to buy 26 bookshelves for the new area. 10 bookshelves will fit on <u>each</u> long wall side by side (60 feet total). The short wall is 13 yards (39 feet) long. 6 bookshelves (total of 36 feet) will fit along that wall.