

Name:

Date:

Area or Perimeter?

Use area or perimeter to solve each problem.
Show your work. Remember to include units such as yards.

- 1) Dr. Delilah owns Fluffy Friends Medical Center. She wants to fence an outdoor space for dogs to play. If the space is 20 feet long and 20 feet wide, how much fencing is needed?
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- 2) Old MacDonald has a square-shaped farm. A side is 208 feet long. If MacDonald walks around the edge of his property, how many feet will he walk?
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- 3) George's bedroom measures 12 feet square. Jerry's bedroom is 11 feet long and 13 feet wide. Who has more floor space?
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- 4) The playground at Watson Elementary is a perfect rectangle. If it's 100 yards long and 75 yards wide, then what is the distance around?
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- 5) Mr. Rabbit is planting a square-shaped carrot garden. If it's eight feet long on each side, how many square feet will it cover?



Solution

Area or Perimeter?

Use area or perimeter to solve each problem.
Show your work. Remember to include units such as yards.

- 1) Dr. Delilah owns Fluffy Friends Medical Center. She wants to fence an outdoor space for dogs to play. If the space is 20 feet long and 20 feet wide, how much fencing is needed?

 $20 \text{ ft} \times 4 = 80 \text{ ft}$
- 2) Old MacDonald has a square-shaped farm. A side is 208 feet long. If MacDonald walks all around the edge of his property, how many feet will he walk?

 $208 \text{ ft} \times 4 = 832 \text{ ft}$
- 3) George's bedroom measures 12 feet x 12 feet.
Jerry's bedroom is 11 feet long and 13 feet wide. Who has more floor space?

 $12 \text{ ft square} = 144 \text{ ft}^2$
 $11 \text{ ft} \times 13 \text{ ft} = 143 \text{ ft}^2$

George has more floor space.
- 4) The playground at Watson Elementary is a perfect rectangle. If it's 100 yards long and 75 yards wide, then what is the distance around?

 $100 + 100 + 75 + 75 = 350 \text{ yards}$
- 5) Mr. Rabbit is planting a square-shaped carrot garden. If it's eight feet long on each side, how many square feet will it cover?

 $8 \text{ ft} \times 8 \text{ ft} = 64 \text{ ft}^2$

