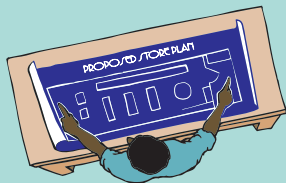


# Cubes and Lines and Squares Oh My!

## Answers

1. B
2. C
3. A
4. A

**Challenge:** You will be able to fit 5 cages long by 3 cages wide by 4 cages high.  $5 \times 3 \times 4 = 60$  cubic feet. You used cubic units of measure



1. The manager wants to find out the distance from the front of the store to the back. Which unit of measure should be used?

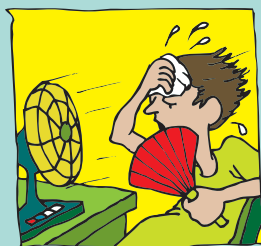


2. The manager wants to know how much paint it would take to cover the walls of the store. Once again, which unit of measure should be used?

**Remember:** There is only one correct answer.



3. The mall stores are getting ready for a big shopping season the manager needs to calculate how much the storage room can hold. What unit of measure should be used?



4. The air conditioning unit needs to be installed and the manager wants to know how much air the room contains. Which unit of measure should be used?



**Choice A** Cubic units such as cubic feet, cubic yards, cubic meters

**Hint:** Cubic units are used when you want to fill something

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**Choice B** Linear units such as inches, feet, yards, meters

**Hint:** Linear units are used when you are measuring distance



**Choice C** Square units such as square feet, square yards, square miles

**Hint:** Square units are used when you are covering something

**Challenge:** The pet store has a room that is 20 feet long 8 feet high and 6 feet wide. How many dog cages 4 feet long 2 feet high and 2 feet wide can fit in the room if the cages can be stacked on top of and next to each other? \_\_\_\_\_ cages. What unit of measurement did you use to find the answer? \_\_\_\_\_