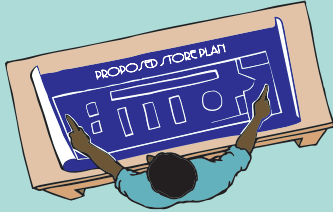


Cubes and Lines and Squares Oh My!

CBL Associates manage Chapel Hill Mall. They need your knowledge of different units of measure to build a new store. Each of the questions has one correct answer. Your choices are on the right. Draw a line to the one that best answers each question.



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?

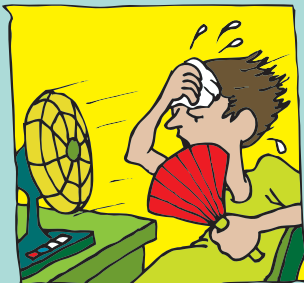


2. The manager wants to know how much paint it would take to cover the walls of the store. Once again, which unit of measure should be used?

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

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? _____

Fifth grade benchmark: Measurement standard Demonstrate understanding of the differences among linear units, square units and cubic units.