

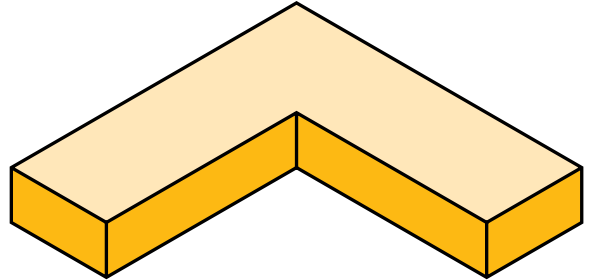


Name _____

Date _____

1. Consider building a garden box.

The 6 sides of the garden box are built by using 6 wooden boards that are each 2 feet high. The two longest boards are each 12 feet long. The two shortest boards are each 4 feet long.



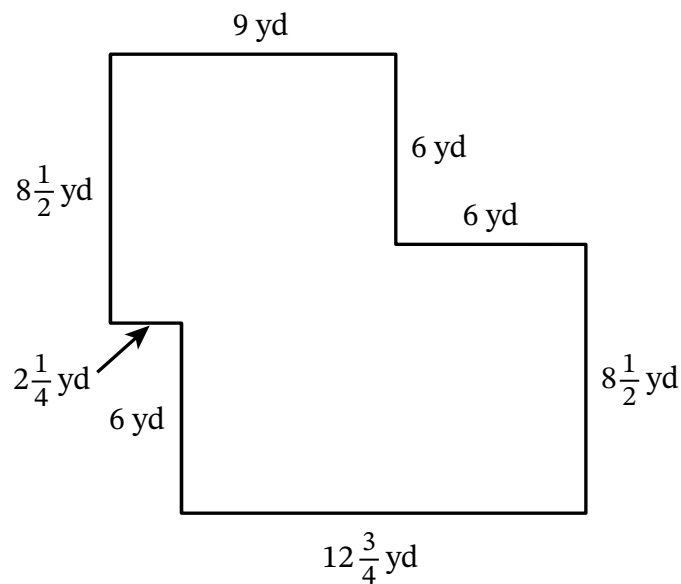
- a. What is the total length of wooden boards used to build the garden box?
- b. How much of the patio does the garden box cover?
- c. How much soil does it take to fill the box?

2. Consider decorating with rope lights.

Tara decorates her room with rope lights by lining the ceiling and the edges of her mirror. Her room is rectangular and measures $12\frac{1}{2}$ feet by $10\frac{1}{4}$ feet. Her mirror is rectangular and measures $4\frac{1}{2}$ feet by 1 foot. How many feet of the rope lights does she use?

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3. Consider fencing a playground.

An elementary school needs new fencing to surround the playground. How many yards of fencing does the school need?

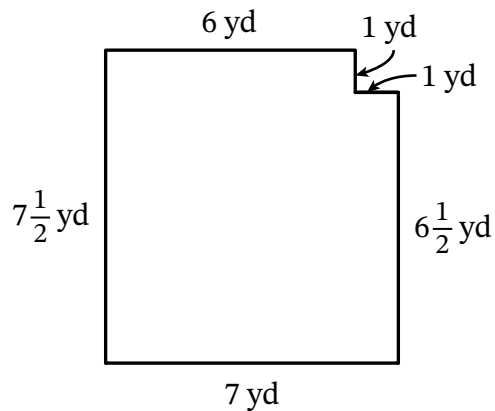


4. Consider painting a room.

Ryan paints two walls in his room. One wall measures $10\frac{1}{2}$ feet by 8 feet. The other wall measures $12\frac{3}{4}$ feet by 8 feet. How many square feet does Ryan paint?

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5. Consider carpeting a floor.

A family installs carpet in their living room. How many square yards of carpet do they use?



6. Consider tiling a shower.

Two of the walls of a shower need to be tiled. One wall of the shower is $5\frac{1}{2}$ feet by 8 feet.

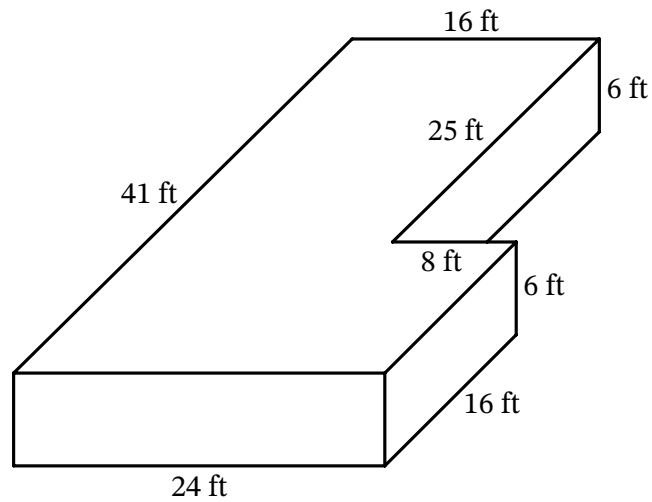
The other wall of the shower is $6\frac{1}{4}$ feet by 8 feet. The cost to tile the shower walls is \$7.99 per square foot. What is the total cost to tile the shower walls?

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7. Consider packing a suitcase.

A suitcase is shaped like a right rectangular prism. The suitcase measures 76 centimeters by 48 centimeters by 29 centimeters. What is the volume of the suitcase?

8. Consider filling a pool.

Riley fills up her swimming pool. When the pool is full, the water is 6 feet deep. What is the volume of water in the pool?



9. Consider baking a cake.

Adesh bakes a cake with three layers that are each shaped like a right rectangular prism. The bottom layer measures 9 inches by 13 inches by 2 inches. The other two layers each measure 8 inches by 8 inches by 2 inches. What is the total volume of the cake?