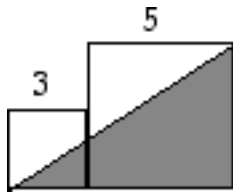


What is the area of the shaded section within the two squares shown below?

- a. 15
- b. 20
- c. 25
- d. 30



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25

A 7-foot bush casts a 12-foot shadow. How tall is the tree that casts a 42-foot shadow?

- a. 21
- b. 24.5
- c. 28
- d. 32

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26

A group of four friends are racing. John is 15 yards ahead of Mark. Mark has gone 3 times as far as Steve. Roger is 30 yards ahead of Steve. If John has gone 75 yards, how far have the others traveled?

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27

Mary is barking her garden. She measures her garden with a yardstick and figures she needs to buy 125 cubic yards of bark. When she goes to the store to buy the bark, she discovers they sell it in cubic inches. About how much bark does Mary need in cubic inches?

- a. 6,000,000 cu. in.
- b. 5,000,000 cu. in.
- c. 6,000 cu. in.
- d. 50,000 cu.in.

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28

To get home from baseball practice, George walks along a sidewalk 7 blocks, turns 90° at a corner, and then walks another 9 blocks. There is a direct path between the baseball field and his house through a vacant lot. To the nearest block, how long is the distance between the baseball field and George's house?

- a. 8 blocks
- b. 10 blocks
- c. 11 blocks
- d. 13 blocks

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29

A bottle holds 270 ml of cold medicine. About how many doses would you expect to get out of the bottle if you use a spoon that holds a little less than 2 ml (one spoonful = one dose) ? Explain your reasoning.

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30