

41. A pair of dress pants is marked up 50% from its original wholesale price and placed on a clothing rack. After several months, it is marked down 25% and then later reduced another 10%. A customer buys the pants and pays \$40.50 (before tax). What was the original wholesale price?

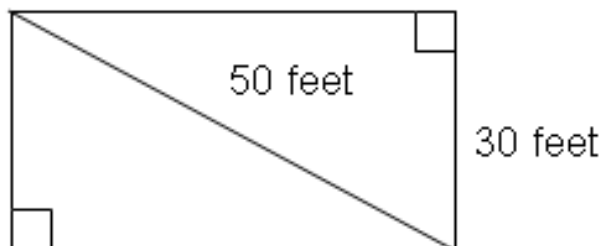
- A. \$37.50
- B. \$39.00
- C. \$40.00
- D. \$42.50

42. A lead pipe has a length of 10 ft and a diameter of 6 in. The pipe's core is hollow and has a diameter of 2 in. What is the volume of the lead portion of the pipe to the nearest whole number?

- A. 1 cubic foot
- B. 2 cubic feet
- C. 3 cubic feet
- D. 4 cubic feet

43. A garden in the shape of a rectangle is represented by the figure below. If the cost of fencing is \$4.25 per foot, how much will it cost to enclose the garden? Note: fencing may only be bought by the whole foot.

- A. \$126.00
- B. \$504.50
- C. \$595.00
- D. \$2,295.00



44. To determine the number of perch in a lake, a conservationist catches 107 perch, tags them, and then throws them back into the lake. Later, 78 perch are caught and 26 of them are tagged. Estimate how many perch are in the lake.

- A. 159
- B. 211
- C. 321
- D. 446



45. Renee needs to fill a tube that has an 8 inch diameter and a length of 5 feet. About how many cubic inches of water will be needed to fill the tube to the top? Use 3.14 for π .

- A. 120in^3
- B. 960in^3
- C. $1,012.6\text{in}^3$
- D. $3,014.4\text{in}^3$

Answer Key for problems 41-45

41	C
42	B
43	C
44	C
45	D