

Using Proportions to Solve Word Problems

Set up a proportion to answer each question. Round your answer to the nearest tenth. Round dollar amounts to the nearest cent.

- 1) A triangle is 5.5 in wide and 1.5 in tall. If it is enlarged to a height of 6 in then how wide will it be?
- 2) If you can buy 21 packages of grape tomatoes for \$52.50 then how many can you buy with \$17.50?
- 3) Seven packages of fresh chives cost \$13.90. How many packages can you buy for \$27.80?
- 4) If you can buy 14 tubs of dried cranberries for \$55.80 then how many can you buy with \$27.90?
- 5) Three packages of grape tomatoes cost \$7.50. How many packages can you buy for \$15?
- 6) A triangle is 6.9 in tall and 6 in wide. If it is enlarged to a height of 34.5 in then how wide will it be?
- 7) Molly reduced the size of a rectangle to a width of 6.8 in. What is the new height if it was originally 13.6 in wide and 7.8 in tall?
- 8) Aliyah reduced the size of a rectangle to a width of 6.7 in. What is the new height if it was originally 33.5 in wide and 8.5 in tall?
- 9) Imani enlarged the size of a painting to a width of 13.4 in. What is the new height if it was originally 6.4 in tall and 6.7 in wide?
- 10) A photo is 2.6 in tall and 2.9 in wide. If it is enlarged to a width of 17.4 in then how tall will it be?