

5-3 Skills Practice: Algebra: The Percent Proportion

1. Write a percent proportion and solve each problem. Round to the nearest tenth if necessary.

a. 6 is what percent of 24?

b. 125 is what percent of 375?

c. What is 20% of 80?

d. What percent of 14 is 440?

e. 28 is 35% of what number?

f. 63 is 63% of what number?

g. 16.24 is what percent of 14?

h. Find 350% of 49.

i. What percent of 120 is 24?

j. What percent of 84 is 6?

k. What is 7.5% of 225?

l. 9 is what percent of 660?

m. 110 is 21.1 of what number?

n. Find 6.4% of 72.

o. What percent of 160 is 1?

p. 83 is 12.5% of what number?

2. **GAMES** Before discarding, Carolee has 4 green cards, 3 red cards, 3 orange cards, and 1 gold card. If she discards the gold card, what percent of her remaining cards are red?
3. **COMMUTING** On his trip across town, Mark was stopped by a red light at 9 out of 15 intersections. At what percent of intersections was Mark stopped by a red light?
4. **CLIMATE** In Las Vegas, Nevada, the skies are clear on 92% of the days. How many days in the month of June would you expect the skies to be clear in Las Vegas? Round the answer to the nearest day.
5. **POLLING** A recent poll shows that 65% of adults are in favor of increased funding for education. The number of adults surveyed for the poll was 140. How many of the adults surveyed were in favor of increased funding for education?