

Name _____

PROPORTION PRACTICE

Solve each proportion.

A 1) $\frac{5}{6} = \frac{f}{12}$

A 2) $\frac{x}{18} = \frac{2}{3}$

A 3) $\frac{30}{k} = \frac{15}{18}$

A 4) $\frac{1.8}{d} = \frac{3.6}{2.8}$

A 5) $\frac{16}{48} = \frac{9}{d}$

A 6) 10 burgers cost \$60. What will 15 burgers cost?

B/c 7) 80 girls and boys have planned for a movie. They are in a ratio of 6 girls to 2 boys. How many girls are there?

A 8) $4:7 = 12:21$. True or False?? Why

B/c 9) An English book is comprised of two sections, literature and grammar, in a ratio of 3:2. How much of each type of content will be needed to make a book of 150 pages?

B/c 10) When measuring time, 8 concerts are approximately equal to 6 symphonies. How many symphonies are equal to 28 concerts? How many concerts are equal to 42 symphonies?

B/c 11) When measuring weight, 6 small dogs are approximately equal to 9 large cats. How many large cats are equal to 54 small dogs? How many small dogs are equal to 12 large cats?

A 12) Measuring miles on the ocean (nautical miles) is different from "normal" miles on land. In fact, 100 nautical miles is equal to 115 land miles. If you plan on going 92 land miles, how many nautical miles would you have to travel?

A 13) A fast typist can type 120 words in 100 seconds. In 180 seconds, how many words could be typed?

B/c 14) Vito uses 9 liters of water to water 24 flower pots. He is wondering how many liters of water it would take to water 40 flower pots. He assumes he will use the same amount of water on each pot.

B/c 15) Orlando stuffs envelopes for extra money. He makes a quarter for every dozen he stuffs. How many envelopes will he have to stuff to make \$10.00?

B/c 16) Lenny is comparing nutrition labels to see if two products have equivalent ratios of calories per serving size. The first product has 110 calories per 80 gram serving. The second product has 82.5 calories per 60 gram serving. Do the two products have the equivalent calorie per serving ratios?