

MathFLIX CHALLENGE

Matching equations with word problems

Read the word problems below then draw a line to connect each to the correct equation.

$$(3/4 \cdot 60) \div 12 = n$$

3/4 of the cupcakes brought to the bake sale were sold. If 12 dozen cupcakes were sold, how many dozen were brought to the bake sale?

$$3/4 \cdot n = 12$$

Diane bought 12 yards of fabric to share with friends at her sewing club. If each friend needed 3/4 of a yard to make a purse, how many friends were in Diane's sewing club?

$$12 \div 3/4 = n$$

The math club was doing a timed drill and allowed 3/4 of an hour to answer 12 questions. How much time, in minutes could be spent on each question?

$$3/4 \cdot 12 = n$$

3/4 of the students who earned an A on a math test studied the night before for at least 1 hour. If 12 students earned an A, how many students studied for at least 1 hour.

$$80 + (4 \cdot 12) - (2 \cdot 8) = n$$

Wendy bought 4 shirts at \$12 each and 2 bracelets at \$8 each. How much change did she get from \$80?

$$80 + (4 \cdot 12) + (2 \cdot 8) = n$$

Brian had \$80 in his savings account last month. If he made 4 deposits of \$12 each and 2 withdrawals of \$8 each this month, how much is left in his account?

$$80 - [(4 \cdot 12) + (2 \cdot 8)] = n$$

Mary collected \$80 for a charity last week. This week 12 generous friends each gave her \$4 and 8 other friends gave her \$2 each. How much money does Mary have now?

$$40n + 2 = 520$$

Beth made \$520 babysitting last summer. This amount is \$40 more than double the amount of money her friend Mary made. How much money did Mary earn?

$$2n - 40 = 520$$

A 2-week stay in a resort costs \$520. This amount is \$40 less than twice the cost of a 1-week stay. How much does it cost to stay in the resort for a single week?

$$2n + 40 = 520$$

Ryan spent \$520 dollars on DVDs during his 4 years of college. This amount is 2 more than 40 times the average cost of a single DVD. What is the average cost of a DVD?