Solving Proportions
SP1

Set up the proportion. Label it correctly. Use the calculator to solve.

1.   In the national Hockey League, the ratio of goalies to total players is 2:30. There are about 900 total players in the league. How many goalies are in the league?

2.   Sam paid $1.29 for three mechanical pencils. At that rate, how much would 8 mechanical pencils cost?

3.   According to the label, there are 25 calories per serving of turkey lunch meat. How many calories are there in 2.5 servings?

4.   Alex drove 200 miles in 4 hours. At that rate, how long did it take to drive 340 miles? How many hours and minutes is that?

5.   Tristan paid $8 in tax on a purchase of $200. At that rate, what would be the tax on a purchase of $150?

6.   Eight out of 10 fish are trout. How many trout are there out of 45 fish?

7.   In 3 hours, Olivia can walk 15 miles. How long will it take her to walk 25 miles?

8.   To make grape punch, combine 7 parts water to 1 part grape juice mix. If you want to make a gallon (128 oz.) of punch, how many ounces of water and grape mix do you add?

9.   In a supermarket, the manager wants to display $\frac{1}{3}$ crate of oranges for every crate of apples. If $2\frac{1}{4}$ crates of apples are on display, how many crates of oranges does the manager need?

10.   A 354-gram box of granola contains 20 grams of fat. The recommended serving size of granola is 55 grams. How many grams of fat does the recommended serving size contain?