How are you doing?

Warm Up Questions

1. **In a bag of red and green candies, the ratio of red candies to green candies is 3:4. If the bag contains 126 candies, how many red and green candies are there?**

2. **A supermarket is selling crackers for $2.50 for an 8 oz box and $3.00 for a 12 oz box. What is the unit price for each box and which is the better buy?**

3. **A dirt bike with a 2-stroke engine requires 18 L of gas to be mixed with 2.5 L of oil. How much oil will you need to mix with 30 L of gas to fill up your dirt bike? Round to 1 decimal place.**

1. **In a bag of red and green candies, the ratio of red candies to green candies is 3:4. If the bag contains 126 candies, how many red candies are there?**

Red = 3
Green = 4
Total = 7

Total Ratio

Let x = Red Ca es

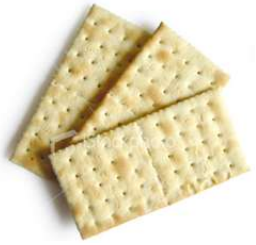
Red Candies / Total

$$\frac{3}{7} = \frac{x}{126}$$

→ **7x = 378**
→ **x = 54 Red Candies**

126 - 54 = 72 Green Candies

3. **A supermarket is selling crackers for $2.50 for an 8 oz box and $3.00 for a 12 oz box. What is the unit price for each box and which is the better buy?**



Price
Unit

$2.50
8oz

=$0.31/oz

$3.00
12oz

=$0.25/oz

→ **The 12 oz box is the better buy!**

A dirt bike with a 2-stroke engine requires 18 L of gas to be mixed with 2.5 L of oil. How much oil will you need to mix with 30 L of gas to fill up your dirt bike? Round to 1 decimal place.

$$\text{Let} \quad = x$$

$$\frac{\text{gas}}{\text{oil}}$$

$$\frac{18}{2.5} = \frac{30}{x}$$

$$18x = 75$$

$$x = 4.17 \text{ L of oil}$$