

5.2B Equivalent Ratios/ Proportions

1. A recipe called for the ratio of sugar to flour to be 10 : 3. If you used 70 ounces of sugar, how many ounces of flour would you need to use?

$$\begin{array}{l} \text{Sugar} \\ \text{flour} \end{array} \quad \frac{10}{3} = \frac{70}{x}$$

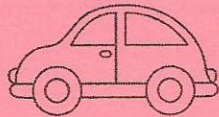
$x = 21$ ounces of flour



2. The ratio of red cars to blue cars in a parking lot is 5 : 3. If there are 40 red cars, how many blue cars are there?

$$\frac{\text{red cars}}{\text{blue cars}} \quad \frac{5}{3} = \frac{40}{x}$$

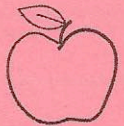
$x = 24$ blue cars



3. The ratio of red apples to green apples sold in a grocery store was 7 : 2. If there were 16 green apples sold, how many red apples were sold?

$$\frac{\text{red apples}}{\text{green apples}} \quad \frac{7}{2} = \frac{x}{16}$$

$x = 56$ red apples



4. At a farm, the ratio of cows to horses was 18 : 4. If there were 52 horses at the farm, how many cows were there?

$$\frac{\text{cows}}{\text{horses}} \quad \frac{18}{4} = \frac{x}{52}$$

$x = 234$ cows

