

Products of Fractions and Whole Number in Word Problems - Guided Lesson Explanation**Explanation to #1**

Multiplying a fraction by an integer follows the same rules as multiplying two fractions. An integer can be considered to be a fraction with a denominator of 1. Therefore, when a fraction is multiplied by an integer, the numerator of the fraction is multiplied by the integer. The denominator is multiplied by 1 which does not change the denominator.

The coupon would cut $\frac{4}{8}$ of the total. The math would look like this:

$$\frac{4}{8} \times 200 = \$100$$

Explanation to #2

Following the same frame of mind, we would multiply the total amount of sugar by $\frac{2}{3}$ to find the amount that is left.

$$\frac{2}{3} \times 6 = 4 \text{ kg}$$



Name _____

Date _____

Explanation to #3

Once again, we multiply the total books by the fraction that was removed.

$$\frac{5}{10} \times 10 = 5 \text{ books}$$

