



Relating Fractions Decimals Percents and Money

Answer Key

Rational numbers can be represented using three forms: a fraction, a decimal, or a percent. If these three forms all represent the same quantity, such as 0.62, then the forms are **equivalent** representations of the same number. The decimal 0.62 is also equivalent to \$0.62.

Example

During the summer Eddy earned some money doing yard work for the neighbors. He then spent \$18 of the \$150 he earned on a new game. Determine what fraction in lowest terms represents the part of the money Eddy spent.

Step 1:

$$\frac{\text{Money Spent}}{\text{Total Amount}} = \frac{\$18}{\$150} = \frac{9}{75}$$

Divide 9 by 75 to determine what decimal value is equivalent to $\frac{9}{75}$.

$$\frac{9}{75} = 9 \div 75 = 0.12$$

Determine what percent of the money Eddy has spent.

$$\frac{0.12}{\text{decimal}} \times 100 = \underline{12} \%$$

You Try It

Jana's Flower Shop is offering a \$5 all bouquets in vases for a Mother's Day special. What fraction of the original price will a customer pay for a bouquet in a vase that originally cost \$35?

$\frac{6}{7}$



Complete the table below.

Money	Fraction	Decimal	Percent
\$0.25	$\frac{1}{4}$	0.25	25%
Jamal received \$0.75 in change	$\frac{3}{4}$	0.75	75%
Shelia had \$27.00. She spent \$9.00. What part of her money did Shelia spend?	$\frac{1}{3}$	0.333	$33\frac{1}{3}\%$
Ian saved 40% off his purchase.	$\frac{2}{5}$	0.4	40%

Debriefing Question

1. How is a decimal related to its fraction, percent and monetary representation? Give an example to show your reasoning.