Name: **Date:**

Simplify fractions
Solve the next problem

Think It Through

Fill in the blanks. Solve the problem.

Jamal walked $\frac{8}{20}$ of the school track. What is this fraction in simplest form?

- What are the factors of 8?

  $8 \div \_\_\_\_ = 8$ $8 \div \_\_\_\_ = 2$

  $8 \div \_\_\_\_ = 4$ $8 \div \_\_\_\_ = 1$

  ____, ____, ____, and ____ divide 8 evenly.

- What the factors of 20?

  $20 \div \_\_\_\_ = 20$ $20 \div \_\_\_\_ = 5$ $20 \div \_\_\_\_ = 2$

  $20 \div \_\_\_\_ = 10$ $20 \div \_\_\_\_ = 4$ $20 \div \_\_\_\_ = 1$

  ____, ____, ____, ____, ____, and ____ divide 20 evenly.

- What is the greatest factor that divides both 8 and 20 evenly? ____
  Circle the greatest common factor.

- Divide the numerator and denominator by the greatest common factor.

$$\frac{8}{20} = \frac{8 \div \square}{20 \div \square} = \frac{\square}{\square}$$

Solution: $\frac{8}{20}$ in simplest form is ____.

If the numerator is a factor of the denominator, you can divide both by the numerator to find the simplest form.

$\frac{4}{16} = \frac{4 \div 4}{16 \div 4} = \frac{1}{4}$

Reducing fractions.
Simplifying each fraction to its lowest terms.

$\frac{4}{24} =$	$\frac{25}{35} =$	$\frac{21}{30} =$	$\frac{20}{24} =$
$\frac{9}{24} =$	$\frac{5}{20} =$	$\frac{10}{35} =$	$\frac{4}{14} =$
$\frac{9}{21} =$	$\frac{32}{36} =$	$\frac{15}{35} =$	$\frac{20}{28} =$
$\frac{15}{24} =$	$\frac{55}{60} =$	$\frac{15}{27} =$	$\frac{21}{30} =$
$\frac{20}{28} =$	$\frac{3}{12} =$	$\frac{45}{50} =$	$\frac{4}{10} =$
$\frac{5}{45} =$	$\frac{3}{18} =$	$\frac{2}{10} =$	$\frac{8}{14} =$
$\frac{20}{45} =$	$\frac{4}{28} =$	$\frac{4}{18} =$	$\frac{45}{50} =$
$\frac{12}{27} =$	$\frac{15}{18} =$	$\frac{3}{21} =$	$\frac{2}{6} =$
$\frac{10}{14} =$	$\frac{4}{32} =$	$\frac{3}{27} =$	$\frac{35}{45} =$

Ordering Decimals.
Instruction: Order each set of decimals.

0.62, 0.38, 0.35, 0.49, 0.1, 0.21, 0.54, 0.6, 0.51, 0.28
Least to Greatest

0.23, 0.2, 0.77, 0.49, 0.74, 0.91, 0.65, 0.23, 0.03, 0.83
Greatest to Least

1.42, 1.41, 1.18, 1.34, 1.44, 1.52, 1.61, 1.03, 1.26, 1.56
Least to Greatest

1.17, 0.72, 0.82, 1.2, 0.87, 0.81, 0.81, 0.97, 0.84, 0.91
Greatest to Least

1.33, 1.51, 1.53, 1.16, 1.41, 1, 1.4, 1.65, 1.17, 1.62
Least to Greatest

0.56, 0.55, 0.62, 0.6, 0.59, 0.52, 0.47, 0.59, 0.58, 0.48
Greatest to Least

2.01, 1.35, 1, 2.54, 2.52, 2.04, 2.71, 2.7, 2.33, 1.35
Least to Greatest
