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?

$8 \div \underline{\hspace{1cm}} = 8$ $8 \div \underline{\hspace{1cm}} = 2$

$8 \div \underline{\hspace{1cm}} = 4$ $8 \div \underline{\hspace{1cm}} = 1$

$\underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}},$ and $\underline{\hspace{1cm}}$ divide 8 evenly.

■ What the factors of 20?

$20 \div \underline{\hspace{1cm}} = 20$ $20 \div \underline{\hspace{1cm}} = 5$ $20 \div \underline{\hspace{1cm}} = 2$

$20 \div \underline{\hspace{1cm}} = 10$ $20 \div \underline{\hspace{1cm}} = 4$ $20 \div \underline{\hspace{1cm}} = 1$

$\underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}},$ and $\underline{\hspace{1cm}}$ divide 20 evenly.

> If the numerator is a factor of the denominator, you can divide both by the numerator to find the simplest form.
>
> $\frac{4}{16} = \frac{4 \div 4}{16 \div 4} = \frac{1}{4}$

■ What is the greatest factor that divides both 8 and 20 evenly? $\underline{\hspace{1cm}}$
   Circle the greatest common factor.

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

$\frac{8}{20} = \dfrac{8 \div \boxed{}}{20 \div \boxed{}} = \dfrac{\boxed{}}{\boxed{}}$

Solution: $\frac{8}{20}$ in simplest form is $\underline{\hspace{1cm}}$.

YOU CAN DO THIS.

Reducing fractions.
Simplifying each fraction to its lowest terms.

$\dfrac{4}{24} =$ $\dfrac{25}{35} =$ $\dfrac{21}{30} =$ $\dfrac{20}{24} =$

$\dfrac{9}{24} =$ $\dfrac{5}{20} =$ $\dfrac{10}{35} =$ $\dfrac{4}{14} =$

$\dfrac{9}{21} =$ $\dfrac{32}{36} =$ $\dfrac{15}{35} =$ $\dfrac{20}{28} =$

$\dfrac{15}{24} =$ $\dfrac{55}{60} =$ $\dfrac{15}{27} =$ $\dfrac{21}{30} =$

$\dfrac{20}{28} =$ $\dfrac{3}{12} =$ $\dfrac{45}{50} =$ $\dfrac{4}{10} =$

$\dfrac{5}{45} =$ $\dfrac{3}{18} =$ $\dfrac{2}{10} =$ $\dfrac{8}{14} =$

$\dfrac{20}{45} =$ $\dfrac{4}{28} =$ $\dfrac{4}{18} =$ $\dfrac{45}{50} =$

$\dfrac{12}{27} =$ $\dfrac{15}{18} =$ $\dfrac{3}{21} =$ $\dfrac{2}{6} =$

$\dfrac{10}{14} =$ $\dfrac{4}{32} =$ $\dfrac{3}{27} =$ $\dfrac{35}{45} =$

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