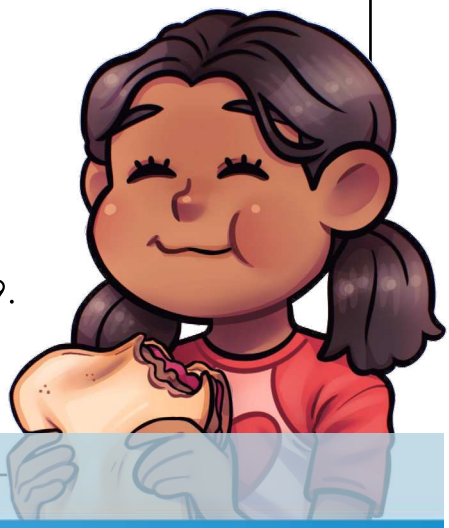
Name: _____

Simplifying Fractions

To simplify a fraction, divide the numerator and the denominator by the greatest common factor.



example: Simplify the fraction $\frac{18}{27}$

The greatest common factor of 18 and 27 is 9.

Divide the numerator and the denominator by 9.

$$\frac{18}{27} \div \frac{9}{9} = \frac{2}{3}$$

Preview
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e. $\frac{16}{24}$ = **f.** $\frac{18}{48}$ = **g.** $\frac{16}{44}$ = **h.** $\frac{9}{21}$ =

i. $\frac{25}{30}$ = **j.** $\frac{8}{22}$ = **k.** $\frac{12}{30}$ = **l.** $\frac{5}{20}$ =

m. There are 36 students in Frank's class. 27 of them are buying lunch today. Write and simplify the fraction of students that are buying lunch. _____

ANSWER KEY

Simplifying Fractions

To simplify a fraction, divide the numerator and the denominator by the greatest common factor.

example: Simplify the fraction $\frac{18}{27}$

The greatest comm… d 27 is 9.

Divide th… numerator … min…tor by …

$\frac{18}{27} = \frac{2}{3}$

Super Teacher Worksheets

Preview

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e. $\frac{16}{24} = \frac{2}{3}$ $\frac{18}{48} = \frac{3}{8}$ g. $\frac{16}{44} = \frac{4}{\ }$ $\frac{9}{21} = \frac{3}{7}$

i. $\frac{25}{30} = \frac{5}{6}$ j. $\frac{8}{22}$ … $\frac{2}{5}$ l. $\frac{5}{20} = \frac{1}{4}$

m. There are 36 students in Frank's class. 27 of them are buying lunch today. Write and simplify the fraction of students that are buying lunch.

$\frac{27}{36} = \frac{3}{4}$