

Name: \_\_\_\_\_

## Simplifying Fractions

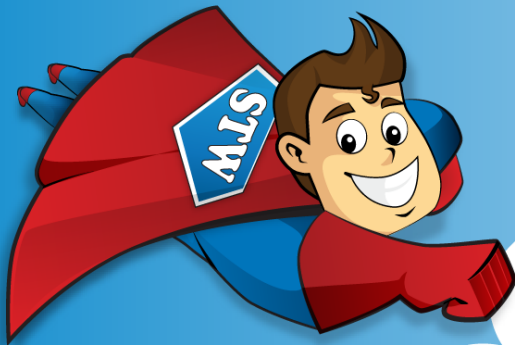
To simplify a fraction, divide the numerator and the denominator by the greatest common factor.

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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the printable version of this worksheet.

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.

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The greatest common factor of 18 and 27 is 9.

Divide the numerator and the denominator by 9.



# Preview

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Simp

a.

e.

i.



- 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.

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