Multiplying Fractions (7-1)

Multiplying Fractions	
Step 1	Multiply the numerators.
Step 2	Multiply the denominators.
Step 3	Simplify, ~~if~~ possible.

Example 1: Multiply the whole numbers by the fraction.

I Do	You Do
$3 \cdot \frac{21}{1} \cdot \frac{5}{7_1} = \frac{15}{1}$ = 15	$2 \cdot \frac{18}{1} \cdot \frac{5}{9_1} = \frac{10}{1}$ = 10
$\frac{12}{1} \cdot \frac{2}{3} = \frac{24}{3} = 8$	$7 \cdot \frac{14}{1} \cdot \frac{3}{4_2} = \frac{21}{2}$
$4 \cdot \frac{12}{1} \cdot \frac{2}{3_1} = \frac{8}{1} = 8$	$10\frac{1}{2}$

Example 2: Use what you know about fractions to solve.

We Do

You have a closet full of clothes. If $\frac{2}{3}$ of the closet is full of shirts and there are 36 items hanging in the closet, how many items are shirts?

$12 \quad \frac{36}{1} \cdot \frac{2}{3_1} = \frac{24}{1} =$ 24 shirts

$\frac{7}{1} \cdot \frac{2}{5} = \frac{14}{5}$ $2\frac{4}{5}$

IXL Lessons: 6th Grade → K.2, K.3