

$4 \times \frac{2}{3} =$ **Four groups of two-thirds**

$6 \times \frac{3}{16} =$ **Six groups of three-sixteenths**

$\frac{6}{1} \times \frac{3}{16} = \frac{18}{16}$

If you run $\frac{1}{2}$ mile every day for 6 days... ... what is the total distance you have run?



You need to paint the trim in seven rooms of a house. You estimate that each room will take $\frac{1}{3}$ of a gallon of paint. How many gallons do you need?

Imagine that, after a party, there is $\frac{1}{2}$ of a cake left. Your roommate then eats $\frac{1}{3}$ of the leftover cake. How much of the entire cake did your roommate eat?


If it takes $\frac{1}{3}$ of a gallon of paint to cover the trim in one room, how much paint do you need to paint $\frac{3}{4}$ of the trim in one room ?

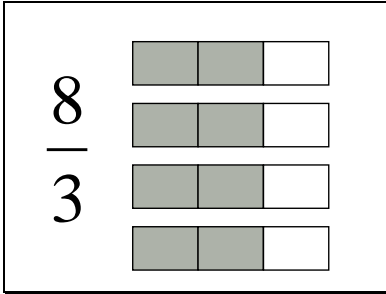
$$\frac{5}{2} = (5 \div 2) = 2\frac{1}{2}$$

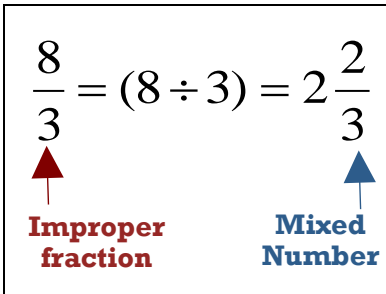
$\frac{5}{2} = (5 \div 2) = 2\frac{1}{2}$

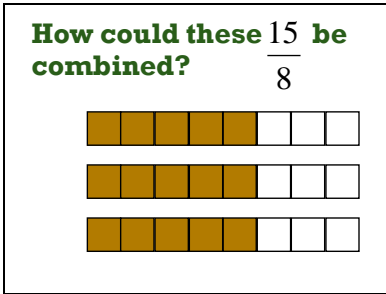
 **Improper fraction**  **Mixed Number**

$\frac{5}{5} = (5 \div 5) = 1$

 **Improper fraction**



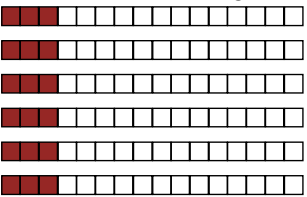




$$\frac{15}{8} = (15 \div 8) = 1\frac{7}{8}$$

Improper fraction
Mixed Number

How could these $\frac{18}{16}$ be combined?



How could you multiply these two numbers?

$$2\frac{1}{2} \times \frac{1}{4} =$$

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Is the same as

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Is the same as

$$\frac{5}{2} \times \frac{1}{4} = \frac{5}{8}$$

What is the result of multiplying these two numbers?

$$3\frac{3}{8} \times \frac{2}{3} =$$

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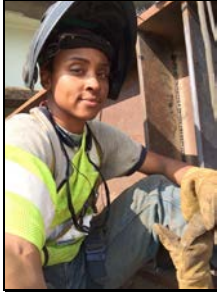
$$\frac{1}{2} \times 4\frac{3}{16} =$$

What is the result of multiplying these two numbers?

$$\frac{2}{3} \times 5\frac{3}{4} =$$

If it takes $10\frac{1}{2}$ gallons of patching compound to patch the average ceiling in this building, how many gallons will be needed to patch six average ceilings?





$$\begin{array}{r} 12 \\ \hline 32 \end{array}$$



$$\begin{array}{r} 10 \\ \hline 64 \end{array}$$

$$\begin{array}{r} 42 \\ \hline 72 \end{array}$$
