

Multiplying Mixed Numbers by Whole Numbers

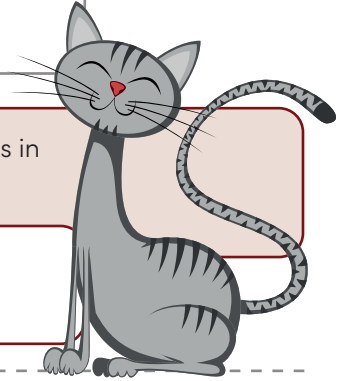
You can multiply a mixed number by a whole number. Start by rewriting the mixed number and the whole number to make the multiplication easier. Then, multiply. Let's try it! Solve $1\frac{2}{5} \times 4$.

First, write the mixed number as an improper fraction. Then, write the whole number as a fraction by placing it over 1.

$$1\frac{2}{5} = \frac{7}{5} \qquad 4 = \frac{4}{1}$$

Next, multiply the numerators, and then multiply the denominators. Make sure your answer is in simplest form. To simplify an improper fraction, you can rewrite it as a mixed number.

$$\frac{7}{5} \times \frac{4}{1} = \frac{28}{5} = 5\frac{3}{5}$$



Try it yourself! Multiply. Show your work and write your final answer in simplest form.

$2\frac{4}{5} \times 3 =$		$2 \times 3\frac{1}{2} =$	
$7 \times 3\frac{2}{3} =$		$4 \times 4\frac{1}{5} =$	
$3\frac{1}{8} \times 5 =$		$2\frac{1}{4} \times 6 =$	
$9 \times 6\frac{2}{3} =$		$4 \times 5\frac{7}{10} =$	