Name _____   Date _____

# 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.

$$\frac{7}{5} \times \frac{4}{1} = \frac{28}{5} = 5\frac{3}{5}$$
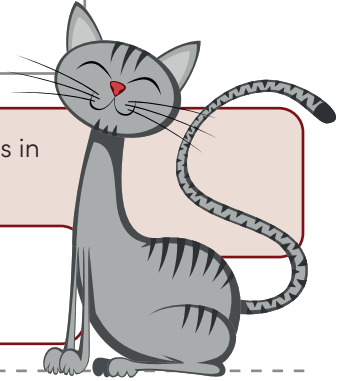
Try it yourself! Multiply. Show your work and write your final answer in simplest form.

$2\frac{4}{5} \times 3 =$	$\frac{14}{5} \times \frac{3}{1} = \frac{42}{5} = 8\frac{2}{5}$	$2 \times 3\frac{1}{2} =$	$\frac{2}{1} \times \frac{7}{2} = \frac{14}{2} = 7$
$7 \times 3\frac{2}{3} =$	$\frac{7}{1} \times \frac{11}{3} = \frac{77}{3} = 25\frac{2}{3}$	$4 \times 4\frac{1}{5} =$	$\frac{4}{1} \times \frac{21}{5} = \frac{84}{5} = 16\frac{4}{5}$
$3\frac{1}{8} \times 5 =$	$\frac{25}{8} \times \frac{5}{1} = \frac{125}{8} = 15\frac{5}{8}$	$2\frac{1}{4} \times 6 =$	$\frac{9}{4} \times \frac{6}{1} = \frac{54}{4} = 13\frac{1}{2}$
$9 \times 6\frac{2}{3} =$	$\frac{9}{1} \times \frac{20}{3} = \frac{180}{3} = 60$	$4 \times 5\frac{7}{10} =$	$\frac{4}{1} \times \frac{57}{10} = \frac{228}{10} = 22\frac{4}{5}$