

Multiplying Fractions by Whole Numbers

You can multiply a fraction by a whole number. Start by writing the whole number as a fraction, and then multiply. Let's try it! Solve $\frac{1}{3} \times 7$.

First, write the whole number as a fraction by placing it over 1.

$$7 = \frac{7}{1}$$

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.

$$\frac{1}{3} \times \frac{7}{1} = \frac{7}{3} = 2\frac{1}{3}$$



Try it yourself! Multiply. Show your work and write your final answer as a proper fraction or mixed number in simplest form.

$\frac{1}{4} \times 2 =$	$\frac{1}{4} \times \frac{2}{1} = \frac{2}{4} = \frac{1}{2}$	$\frac{2}{5} \times 4 =$	$\frac{2}{5} \times \frac{4}{1} = \frac{8}{5} = 1\frac{3}{5}$
$9 \times \frac{8}{9} =$	$\frac{9}{1} \times \frac{8}{9} = \frac{72}{9} = 8$	$\frac{5}{7} \times 3 =$	$\frac{5}{7} \times \frac{3}{1} = \frac{15}{7} = 2\frac{1}{7}$
$\frac{7}{8} \times 5 =$	$\frac{7}{8} \times \frac{5}{1} = \frac{35}{8} = 4\frac{3}{8}$	$6 \times \frac{4}{5} =$	$\frac{6}{1} \times \frac{4}{5} = \frac{24}{5} = 4\frac{4}{5}$
$\frac{7}{15} \times 3 =$	$\frac{7}{15} \times \frac{3}{1} = \frac{21}{15} = 1\frac{2}{5}$	$\frac{3}{10} \times 4 =$	$\frac{3}{10} \times \frac{4}{1} = \frac{12}{10} = 1\frac{1}{5}$
$2 \times \frac{11}{12} =$	$\frac{2}{1} \times \frac{11}{12} = \frac{22}{12} = 1\frac{5}{6}$	$8 \times \frac{5}{6} =$	$\frac{8}{1} \times \frac{5}{6} = \frac{40}{6} = 6\frac{2}{3}$