

Multiply Fractions

Upper Primary Advance Maths

Fraction by Fraction

1. Multiply the numerators

2. Multiply the denominators

3. Simplify to lowest terms

$$\frac{4}{7} \times \frac{1}{2} = \frac{4 \div 2}{14 \div 2} = \frac{2}{7}$$

Fraction by Whole Number

1. Rewrite the whole number as a fraction

2. Multiply the numerators

3. Multiply the denominators

4. Simplify to lowest terms

$$\frac{2}{7} \times 4 = \frac{2}{7} \times \frac{4}{1} = \frac{8}{7} = 1\frac{1}{7}$$

Fraction by Mixed Number

1. Convert mixed numbers into improper fractions

2. Multiply the numerators

3. Multiply the denominators

4. Simplify to lowest terms

$$1\frac{1}{3} \times 2\frac{2}{4} = \frac{4}{3} \times \frac{10}{4} = \frac{40}{12} = 3\frac{1}{3}$$

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Complete the fraction exercises below.

1.

$$\frac{1}{7} \times 2\frac{6}{8}$$

=

2.

$$\frac{3}{7} \times \frac{2}{5}$$

=

3.

$$7\frac{1}{4} \times 1\frac{2}{5}$$

=

4.

$$\frac{3}{9} \times 7$$

=

5.

$$\frac{1}{6} \times \frac{6}{8}$$

=

6.

$$2\frac{5}{8} \times 1\frac{3}{4}$$

=



Multiply Fractions - Solutions

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Complete the fraction exercises below.

1.

$$\begin{aligned} & \frac{1}{7} \times 2\frac{6}{8} \\ &= \frac{1}{7} \times \frac{22}{8} \\ &= \frac{22}{56} = \frac{11}{28} \end{aligned}$$

2.

$$\begin{aligned} & \frac{3}{7} \times \frac{2}{5} \\ &= \frac{6}{35} \end{aligned}$$

3.

$$\begin{aligned} & 7\frac{1}{4} \times 1\frac{2}{5} \\ &= \frac{29}{4} \times \frac{7}{5} \\ &= \frac{203}{20} = 10\frac{3}{20} \end{aligned}$$

4.

$$\begin{aligned} & \frac{3}{9} \times 7 \\ &= \frac{21}{9} = 2\frac{1}{3} \end{aligned}$$

5.

$$\begin{aligned} & \frac{1}{6} \times \frac{6}{8} \\ &= \frac{6}{48} = \frac{1}{8} \end{aligned}$$

6.

$$\begin{aligned} & 2\frac{5}{8} \times 1\frac{3}{4} \\ &= \frac{21}{8} \times \frac{7}{4} \\ &= \frac{147}{32} = 4\frac{19}{32} \end{aligned}$$