

# Fractions: Multiplying Fractions and Whole Numbers (Cancelling)

Solve each problem below. Where appropriate, simplify fully, and rename improper fractions as mixed numbers.

Date:

Name:

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[1]  $\frac{2}{6} \times \frac{6}{6} =$

[2]  $\frac{2}{9} \times \frac{3}{11} =$

[3]  $\frac{4}{12} \times \frac{6}{10} =$

[4]  $\frac{2}{50} \times \frac{5}{9} =$

[5]  $6 \times \frac{8}{30} =$

[6]  $7 \times \frac{4}{14} =$

[7]  $\frac{9}{40} \times 8 =$

[8]  $\frac{5}{20} \times 10 =$

[9]  $\frac{3}{5} \times \frac{4}{6} =$

[10]  $\frac{4}{6} \times \frac{2}{9} =$

[11]  $\frac{3}{20} \times \frac{5}{7} =$

[12]  $\frac{5}{11} \times \frac{12}{15} =$

[13]  $12 \times \frac{7}{60} =$

[14]  $16 \times \frac{5}{48} =$

[15]  $\frac{5}{51} \times 17 =$

[16]  $\frac{8}{108} \times 18 =$

# ANSWERS

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Solve each problem below. Where appropriate, simplify fully, and rename improper fractions as mixed numbers.

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[1]  $\frac{2}{6} \times \frac{6}{6} = \frac{1}{3}$

[2]  $\frac{2}{9} \times \frac{3}{11} = \frac{2}{33}$

[3]  $\frac{4}{12} \times \frac{6}{10} = \frac{1}{5}$

[4]  $\frac{2}{50} \times \frac{5}{9} = \frac{1}{45}$

[5]  $6 \times \frac{8}{30} = \frac{8}{5} = 1 \frac{3}{5}$

[6]  $7 \times \frac{4}{14} = \frac{2}{1} = 2 \frac{0}{1}$

[7]  $\frac{9}{40} \times 8 = \frac{9}{5} = 1 \frac{4}{5}$

[8]  $\frac{5}{20} \times 10 = \frac{5}{2} = 2 \frac{1}{2}$

[9]  $\frac{3}{5} \times \frac{4}{6} = \frac{2}{5}$

[10]  $\frac{4}{6} \times \frac{2}{9} = \frac{4}{27}$

[11]  $\frac{3}{20} \times \frac{5}{7} = \frac{3}{28}$

[12]  $\frac{5}{11} \times \frac{12}{15} = \frac{4}{11}$

[13]  $12 \times \frac{7}{60} = \frac{7}{5} = 1 \frac{2}{5}$

[14]  $16 \times \frac{5}{48} = \frac{5}{3} = 1 \frac{2}{3}$

[15]  $\frac{5}{51} \times 17 = \frac{5}{3} = 1 \frac{2}{3}$

[16]  $\frac{8}{108} \times 18 = \frac{4}{3} = 1 \frac{1}{3}$