Fractions: Multiplying Fractions and Whole Numbers (Cancelling)

Date: **Name:**

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

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[1] $\frac{2}{5} \times \frac{7}{6} =$

[2] $\frac{4}{15} \times \frac{3}{18} =$

[3] $\frac{4}{18} \times \frac{6}{16} =$

[4] $\frac{3}{42} \times \frac{6}{7} =$

[5] $5 \times \frac{7}{10} =$

[6] $6 \times \frac{6}{12} =$

[7] $\frac{6}{24} \times 8 =$

[8] $\frac{6}{27} \times 9 =$

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

[10] $\frac{7}{10} \times \frac{5}{9} =$

[11] $\frac{6}{16} \times \frac{8}{11} =$

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

[13] $10 \times \frac{5}{40} =$

[14] $10 \times \frac{8}{30} =$

[15] $\frac{9}{72} \times 12 =$

[16] $\frac{6}{39} \times 13 =$

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] $\frac{2}{5} \times \frac{7}{6} = \frac{7}{15}$

[2] $\frac{4}{15} \times \frac{3}{18} = \frac{2}{45}$

[3] $\frac{4}{18} \times \frac{6}{16} = \frac{1}{12}$

[4] $\frac{3}{42} \times \frac{6}{7} = \frac{3}{49}$

[5] $5 \times \frac{7}{10} = \frac{7}{2} = 3\frac{1}{2}$

[6] $6 \times \frac{6}{12} = \frac{3}{1} = 3\frac{0}{1}$

[7] $\frac{6}{24} \times 8 = \frac{2}{1} = 2\frac{0}{1}$

[8] $\frac{6}{27} \times 9 = \frac{2}{1} = 2\frac{0}{1}$

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

[10] $\frac{7}{10} \times \frac{5}{9} = \frac{7}{18}$

[11] $\frac{6}{16} \times \frac{8}{11} = \frac{3}{11}$

[12] $\frac{5}{15} \times \frac{17}{15} = \frac{17}{45}$

[13] $10 \times \frac{5}{40} = \frac{5}{4} = 1\frac{1}{4}$

[14] $10 \times \frac{8}{30} = \frac{8}{3} = 2\frac{2}{3}$

[15] $\frac{9}{72} \times 12 = \frac{3}{2} = 1\frac{1}{2}$

[16] $\frac{6}{39} \times 13 = \frac{2}{1} = 2\frac{0}{1}$