Fractions: Multiplying Fractions and Whole Numbers

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

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

[2] $\dfrac{2}{8} \times \dfrac{5}{12} =$

[3] $\dfrac{7}{13} \times \dfrac{3}{9} =$

[4] $\dfrac{1}{12} \times \dfrac{13}{14} =$

[5] $4 \times \dfrac{5}{2} =$

[6] $4 \times \dfrac{6}{4} =$

[7] $\dfrac{7}{5} \times 5 =$

[8] $\dfrac{6}{10} \times 6 =$

[9] $\dfrac{5}{9} \times \dfrac{5}{10} =$

[10] $\dfrac{4}{13} \times \dfrac{2}{12} =$

[11] $\dfrac{4}{14} \times \dfrac{6}{15} =$

[12] $\dfrac{3}{14} \times \dfrac{15}{19} =$

[13] $11 \times \dfrac{5}{1} =$

[14] $10 \times \dfrac{7}{3} =$

[15] $\dfrac{9}{5} \times 11 =$

[16] $\dfrac{3}{11} \times 13 =$

ANSWERS

Fractions: Multiplying Fractions and Whole Numbers

Date: Name:

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

[1] $\dfrac{3}{6} \times \dfrac{5}{9} = \dfrac{5}{18}$

[2] $\dfrac{2}{8} \times \dfrac{5}{12} = \dfrac{5}{48}$

[3] $\dfrac{7}{13} \times \dfrac{3}{9} = \dfrac{7}{39}$

[4] $\dfrac{1}{12} \times \dfrac{13}{14} = \dfrac{13}{168}$

[5] $4 \times \dfrac{5}{2} = \dfrac{10}{1} = 10\dfrac{0}{1}$

[6] $4 \times \dfrac{6}{4} = \dfrac{6}{1} = 6\dfrac{0}{1}$

[7] $\dfrac{7}{5} \times 5 = \dfrac{7}{1} = 7\dfrac{0}{1}$

[8] $\dfrac{6}{10} \times 6 = \dfrac{18}{5} = 3\dfrac{3}{5}$

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

[10] $\dfrac{4}{13} \times \dfrac{2}{12} = \dfrac{2}{39}$

[11] $\dfrac{4}{14} \times \dfrac{6}{15} = \dfrac{4}{35}$

[12] $\dfrac{3}{14} \times \dfrac{15}{19} = \dfrac{45}{266}$

[13] $11 \times \dfrac{5}{1} = \dfrac{55}{1} = 55\dfrac{0}{1}$

[14] $10 \times \dfrac{7}{3} = \dfrac{70}{3} = 23\dfrac{1}{3}$

[15] $\dfrac{9}{5} \times 11 = \dfrac{99}{5} = 19\dfrac{4}{5}$

[16] $\dfrac{3}{11} \times 13 = \dfrac{39}{11} = 3\dfrac{6}{11}$