Multiplying Fractions

Practice 4D: Chapter 10, pages 12-14

Compute each product. Give your answer in simplest form.

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

$\frac{5}{6} \times 3 =$

$\frac{1}{5} \times 8 =$

$11 \times \frac{3}{4} =$

$4 \times \frac{3}{2} =$

$16 \times \frac{3}{8} =$

$\frac{7}{33} \times 3 =$

$\frac{12}{5} \times 8 =$

Multiplying Fractions

Practice 4D: Chapter 10, pages 12-14

Compute each product. Give your answer in simplest form.

$14 \times \frac{4}{7} =$

$5 \times \frac{7}{9} =$

$9 \times \frac{4}{11} =$

$\frac{15}{4} \times 12 =$

$15 \times \frac{7}{3} =$

$\frac{10}{11} \times 16 =$

$\frac{2}{3} \times 10 =$

$70 \times \frac{3}{10} =$

Multiplying Fractions

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Fill in the blank in each equation below with the correct number in simplest form.

5 is ☐ of 15.

14 is ☐ of 18.

☐ is $\frac{13}{11}$ of 22.

81 is ☐ of 18.

46 is ☐ of 49.

☐ is $\frac{3}{10}$ of 40.

☐ is $\frac{2}{3}$ of 24.

15 is ☐ of 105.

Fill in the blank in each equation below with the correct number in simplest form.

$\boxed{} \times 17 = 19$

$\dfrac{5}{4} \times 16 = \boxed{}$

$9 \times \boxed{} = 11$

$\boxed{} \times 12 = 13$

$\dfrac{33}{13} \times 13 = \boxed{}$

$24 \times \boxed{} = 15$

$27 \times \boxed{} = 12$

$\boxed{} = 30 \times \dfrac{7}{15}$

$\frac{3}{5} \times 7 = \frac{21}{5} = \mathbf{4\frac{1}{5}}$

$\frac{5}{6} \times 3 = \frac{15}{6} = \frac{5}{2} = \mathbf{2\frac{1}{2}}$ **or** $\frac{5}{6} \times 3 = 5 \times \frac{3}{6} = 5 \times \frac{1}{2} = \frac{5}{2} = \mathbf{2\frac{1}{2}}$

$\frac{1}{5} \times 8 = \frac{8}{5} = \mathbf{1\frac{3}{5}}$

$11 \times \frac{3}{4} = \frac{33}{4} = \mathbf{8\frac{1}{4}}$

$4 \times \frac{3}{2} = \frac{12}{2} = \mathbf{6}$ **or** $4 \times \frac{3}{2} = \frac{4}{2} \times 3 = 2 \times 3 = \mathbf{6}$

$16 \times \frac{3}{8} = \frac{48}{8} = \mathbf{6}$ **or** $16 \times \frac{3}{8} = \frac{16}{8} \times 3 = 2 \times 3 = \mathbf{6}$

$\frac{7}{33} \times 3 = \frac{21}{33} = \mathbf{\frac{7}{11}}$ **or** $\frac{7}{33} \times 3 = 7 \times \frac{3}{33} = 7 \times \frac{1}{11} = \mathbf{\frac{7}{11}}$

$\frac{12}{5} \times 8 = \frac{96}{5} = \mathbf{19\frac{1}{5}}$

$14 \times \frac{4}{7} = \frac{56}{7} = \mathbf{8}$ **or** $14 \times \frac{4}{7} = \frac{14}{7} \times 4 = 2 \times 4 = \mathbf{8}$

$5 \times \frac{7}{9} = \frac{35}{9} = \mathbf{3\frac{8}{9}}$

$9 \times \frac{4}{11} = \frac{36}{11} = \mathbf{3\frac{3}{11}}$

$\frac{15}{4} \times 12 = \frac{180}{4} = \mathbf{45}$ **or** $\frac{15}{4} \times 12 = 15 \times \frac{12}{4} = 15 \times 3 = \mathbf{45}$

$15 \times \frac{7}{3} = \frac{105}{3} = \mathbf{35}$ **or** $15 \times \frac{7}{3} = \frac{15}{3} \times 7 = 5 \times 7 = \mathbf{35}$

$\frac{10}{11} \times 16 = \frac{160}{11} = \mathbf{14\frac{6}{11}}$

$\frac{2}{3} \times 10 = \frac{20}{3} = \mathbf{6\frac{2}{3}}$

$70 \times \frac{3}{10} = \frac{210}{10} = \mathbf{21}$ **or** $70 \times \frac{3}{10} = \frac{70}{10} \times 3 = 7 \times 3 = \mathbf{21}$

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5 is $\boxed{\frac{1}{3}}$ of 15.

14 is $\boxed{\frac{7}{9}}$ of 18.

$\boxed{26}$ is $\frac{13}{11}$ of 22.

81 is $\boxed{\frac{9}{2}}$ of 18.

46 is $\boxed{\frac{46}{49}}$ of 49.

$\boxed{12}$ is $\frac{3}{10}$ of 40.

$\boxed{16}$ is $\frac{2}{3}$ of 24.

15 is $\boxed{\frac{1}{7}}$ of 105.

$\boxed{\frac{19}{17}} \times 17 = 19$

$\frac{5}{4} \times 16 = \boxed{20}$

$9 \times \boxed{\frac{11}{9}} = 11$

$\boxed{\frac{13}{12}} \times 12 = 13$

$\frac{33}{13} \times 13 = \boxed{33}$

$24 \times \boxed{\frac{5}{8}} = 15$

$27 \times \boxed{\frac{4}{9}} = 12$

$\boxed{14} = 30 \times \frac{7}{15}$