

Multiplying Fractions (to 12×12) – Practice Set 1

Instructions: Multiply numerators and denominators, then *simplify*. (All numbers are 1–12.)

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

$$\frac{5}{6} \times \frac{2}{5} =$$

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

$$\frac{4}{5} \times \frac{10}{12} =$$

$$\frac{1}{2} \times \frac{3}{8} =$$

$$\frac{2}{9} \times \frac{9}{4} =$$

$$\frac{3}{10} \times \frac{5}{6} =$$

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

$$\frac{5}{9} \times \frac{3}{5} =$$

$$\frac{4}{7} \times \frac{6}{10} =$$

$$\frac{6}{11} \times \frac{11}{12} =$$

$$\frac{3}{5} \times \frac{2}{12} =$$

$$\frac{8}{9} \times \frac{3}{4} =$$

$$\frac{2}{3} \times \frac{7}{12} =$$

$$\frac{5}{12} \times \frac{6}{5} =$$

$$\frac{9}{10} \times \frac{5}{9} =$$

$$\frac{1}{6} \times \frac{4}{5} =$$

$$\frac{7}{9} \times \frac{6}{7} =$$

$$\frac{3}{8} \times \frac{8}{9} =$$

$$\frac{5}{12} \times \frac{7}{10} =$$

$$\frac{2}{5} \times \frac{10}{8} =$$

$$\frac{3}{4} \times \frac{2}{9} =$$

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

$$\frac{6}{7} \times \frac{7}{12} =$$

$$\frac{10}{11} \times \frac{11}{12} =$$

$$\frac{5}{8} \times \frac{12}{10} =$$

$$\frac{4}{9} \times \frac{9}{6} =$$

$$\frac{7}{12} \times \frac{3}{8} =$$

Multiplying Fractions (to 12×12) – Practice Set 2**Instructions:** Multiply and simplify. Convert to mixed numbers if desired.

$$\frac{3}{5} \times \frac{10}{9} =$$

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

$$\frac{5}{12} \times \frac{6}{5} =$$

$$\frac{4}{9} \times \frac{9}{8} =$$

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

$$\frac{9}{14} \times \frac{7}{12} =$$

$$\frac{8}{9} \times \frac{3}{8} =$$

$$\frac{3}{11} \times \frac{11}{9} =$$

$$\frac{5}{6} \times \frac{9}{10} =$$

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

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

$$\frac{7}{9} \times \frac{9}{14} =$$

$$\frac{2}{3} \times \frac{11}{4} =$$

$$\frac{5}{9} \times \frac{9}{10} =$$

$$\frac{6}{11} \times \frac{11}{9} =$$

$$\frac{7}{8} \times \frac{8}{7} =$$

$$\frac{9}{10} \times \frac{5}{6} =$$

$$\frac{8}{9} \times \frac{3}{4} =$$

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

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

$$\frac{11}{12} \times \frac{6}{11} =$$

$$\frac{4}{9} \times \frac{9}{8} =$$

$$\frac{10}{12} \times \frac{7}{5} =$$

$$\frac{6}{5} \times \frac{10}{12} =$$

$$\frac{7}{12} \times \frac{12}{7} =$$

$$\frac{2}{9} \times \frac{9}{10} =$$

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

$$\frac{9}{8} \times \frac{4}{9} =$$

Multiplying Fractions (to 12×12) – Practice Set 3**Instructions:** Multiply and simplify. Use prime factors to reduce.

$$\frac{2}{9} \times \frac{3}{5} =$$

$$\frac{7}{12} \times \frac{6}{7} =$$

$$\frac{5}{8} \times \frac{8}{9} =$$

$$\frac{9}{12} \times \frac{7}{9} =$$

$$\frac{4}{11} \times \frac{11}{12} =$$

$$\frac{3}{10} \times \frac{5}{12} =$$

$$\frac{8}{9} \times \frac{9}{8} =$$

$$\frac{6}{7} \times \frac{7}{10} =$$

$$\frac{5}{9} \times \frac{9}{10} =$$

$$\frac{7}{8} \times \frac{8}{7} =$$

$$\frac{3}{4} \times \frac{8}{9} =$$

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

$$\frac{2}{7} \times \frac{7}{9} =$$

$$\frac{9}{10} \times \frac{5}{12} =$$

$$\frac{8}{11} \times \frac{11}{12} =$$

$$\frac{3}{5} \times \frac{10}{7} =$$

$$\frac{11}{12} \times \frac{3}{11} =$$

$$\frac{4}{9} \times \frac{6}{5} =$$

$$\frac{7}{9} \times \frac{9}{14} =$$

$$\frac{5}{6} \times \frac{12}{7} =$$

$$\frac{12}{11} \times \frac{5}{8} =$$

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

$$\frac{6}{11} \times \frac{11}{9} =$$

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

$$\frac{3}{8} \times \frac{8}{7} =$$

$$\frac{2}{3} \times \frac{9}{8} =$$

$$\frac{5}{12} \times \frac{12}{10} =$$

$$\frac{7}{9} \times \frac{9}{8} =$$

Multiplying Fractions (to 12×12) – Practice Set 4**Instructions:** Multiply and simplify. Convert to mixed numbers when appropriate.

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

$$\frac{4}{9} \times \frac{5}{6} =$$

$$\frac{7}{10} \times \frac{3}{7} =$$

$$\frac{9}{12} \times \frac{8}{9} =$$

$$\frac{5}{12} \times \frac{9}{10} =$$

$$\frac{8}{9} \times \frac{7}{4} =$$

$$\frac{6}{11} \times \frac{11}{9} =$$

$$\frac{10}{12} \times \frac{9}{5} =$$

$$\frac{2}{5} \times \frac{10}{12} =$$

$$\frac{7}{9} \times \frac{9}{14} =$$

$$\frac{3}{8} \times \frac{8}{7} =$$

$$\frac{11}{12} \times \frac{5}{11} =$$

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

$$\frac{4}{9} \times \frac{9}{10} =$$

$$\frac{8}{11} \times \frac{11}{6} =$$

$$\frac{6}{7} \times \frac{7}{9} =$$

$$\frac{9}{10} \times \frac{8}{9} =$$

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

$$\frac{7}{8} \times \frac{8}{7} =$$

$$\frac{3}{4} \times \frac{8}{9} =$$

$$\frac{2}{9} \times \frac{9}{4} =$$

$$\frac{12}{11} \times \frac{10}{9} =$$

$$\frac{7}{12} \times \frac{6}{7} =$$

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

$$\frac{3}{10} \times \frac{10}{9} =$$

$$\frac{5}{8} \times \frac{8}{7} =$$

$$\frac{6}{11} \times \frac{11}{6} =$$

$$\frac{9}{12} \times \frac{7}{8} =$$

Multiplying Fractions (to 12×12) – Practice Set 5**Instructions:** Multiply and simplify. Show any cross-cancellation you use.

$$\frac{7}{12} \times \frac{6}{7} =$$

$$\frac{5}{9} \times \frac{9}{10} =$$

$$\frac{4}{11} \times \frac{11}{8} =$$

$$\frac{3}{5} \times \frac{10}{12} =$$

$$\frac{8}{9} \times \frac{9}{10} =$$

$$\frac{6}{7} \times \frac{7}{10} =$$

$$\frac{5}{8} \times \frac{8}{9} =$$

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

$$\frac{9}{12} \times \frac{10}{9} =$$

$$\frac{3}{4} \times \frac{8}{7} =$$

$$\frac{2}{9} \times \frac{9}{8} =$$

$$\frac{11}{12} \times \frac{6}{11} =$$

$$\frac{4}{9} \times \frac{9}{7} =$$

$$\frac{7}{12} \times \frac{8}{9} =$$

$$\frac{5}{6} \times \frac{6}{7} =$$

$$\frac{10}{11} \times \frac{7}{10} =$$

$$\frac{3}{8} \times \frac{8}{9} =$$

$$\frac{6}{11} \times \frac{11}{10} =$$

$$\frac{7}{9} \times \frac{9}{10} =$$

$$\frac{8}{9} \times \frac{9}{8} =$$

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

$$\frac{9}{12} \times \frac{7}{9} =$$

$$\frac{4}{5} \times \frac{10}{12} =$$

$$\frac{12}{11} \times \frac{5}{6} =$$

$$\frac{2}{3} \times \frac{9}{8} =$$

$$\frac{7}{8} \times \frac{8}{9} =$$

$$\frac{5}{12} \times \frac{12}{7} =$$

$$\frac{9}{10} \times \frac{5}{12} =$$