

Name: \_\_\_\_\_

## Multiplying Fractions

**Step 1:** Multiply the numerators.  $\frac{3}{5} \times \frac{2}{3} = \frac{6}{15}$

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**Step 2:** Multiply the denominators.  $\frac{3}{5} \times \frac{2}{3} = \frac{6}{15}$

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**Step 3:** Simplify your answer if possible.  $\frac{3}{5} \times \frac{2}{3} = \frac{6}{15} = \frac{2}{5}$

a.  $\frac{7}{8} \times \frac{4}{9}$

b.  $\frac{4}{5} \times \frac{1}{4}$

c.  $\frac{2}{9} \times \frac{1}{7}$

d.  $5 \times \frac{7}{8}$

e.  $\frac{2}{3} \times \frac{5}{8}$

f.  $\frac{3}{4} \times 8$

g.  $\frac{2}{3} \times 9$

h.  $\frac{3}{7} \times \frac{5}{9}$

i.  $\frac{9}{10} \times \frac{5}{18}$

j.  $\frac{2}{3} \times \frac{6}{7} \times \frac{3}{5}$

k.  $7 \times \frac{2}{3} \times \frac{3}{4}$

# ANSWER KEY

## Multiplying Fractions

**Step 1:** Multiply the numerators.

$$\frac{3}{5} \times \frac{2}{3} = \frac{6}{15}$$

**Step 2:** Multiply the denominators.

$$\frac{3}{5} \times \frac{2}{3} = \frac{6}{15}$$

**Step 3:** Simplify your answer if possible.

$$\frac{3}{5} \times \frac{2}{3} = \frac{6}{15} = \frac{2}{5}$$

a.  $\frac{7}{8} \times \frac{4}{9} = \frac{28}{72} = \frac{7}{18}$

b.  $\frac{4}{5} \times \frac{1}{4} = \frac{4}{20} = \frac{1}{5}$

c.  $\frac{2}{9} \times \frac{1}{7} = \frac{2}{63}$

d.  $5 \times \frac{7}{8}$

$$\frac{40}{8} \times \frac{7}{8} = \frac{280}{64} = \frac{35}{8} = 4 \frac{3}{8}$$

e.  $\frac{2}{3} \times \frac{5}{8} = \frac{10}{24} = \frac{5}{12}$

f.  $\frac{3}{4} \times 8$

$$\frac{3}{4} \times \frac{32}{4} = \frac{96}{16} = \frac{6}{1} = 6$$

g.  $\frac{2}{3} \times 9$

$$\frac{2}{3} \times \frac{27}{3} = \frac{54}{9} = 6$$

h.  $\frac{3}{7} \times \frac{5}{9} = \frac{15}{63} = \frac{5}{21}$

i.  $\frac{9}{10} \times \frac{5}{18} = \frac{45}{180} = \frac{1}{4}$

j.  $\frac{2}{3} \times \frac{6}{7} \times \frac{3}{5}$

$$\frac{12}{21} \times \frac{3}{5} = \frac{36}{105} = \frac{12}{35}$$

k.  $7 \times \frac{2}{3} \times \frac{3}{4}$

$$\frac{21}{3} \times \frac{2}{3} \times \frac{3}{4}$$

$$\frac{42}{9} \times \frac{3}{4} = \frac{126}{36} = 3 \frac{18}{36} = 3 \frac{1}{2}$$