

1. Find  $\frac{2}{3} \times \frac{2}{5}$

2. Find  $\frac{1}{2} \times \frac{2}{5}$

3. Find  $\frac{1}{3} \times \frac{9}{16}$

4. Find  $\frac{2}{3} \times 5$

5. Find  $3 \times \frac{2}{9}$

6. Find  $\frac{4}{5} \times \frac{2}{3}$

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

8. Find  $\frac{5}{6} \times \frac{2}{3} \times \frac{3}{4}$

9. Find  $\frac{5}{6} \times \frac{1}{4} \times \frac{2}{3}$

10. Find  $\frac{2}{5} \times \frac{1}{6} \times 3$

## KEYS

## Remember

- To multiply fractions, multiply the numerators and then multiply the denominators.

1. Find  $\frac{2}{3} \times \frac{2}{5}$ .

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

Multiply the numerators.  
Multiply the denominators.

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

2. Find  $\frac{1}{2} \times \frac{2}{5}$

$$\frac{1}{2} \times \frac{2}{5} = \frac{1 \times 2}{2 \times 5}$$

Multiply the numerators.  
Multiply the denominators.

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

Simplify

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

3. Find  $\frac{1}{3} \times \frac{9}{16}$

$$\frac{1}{3} \times \frac{9}{16} = \frac{1 \times 9}{3 \times 16}$$

Multiply the numerators.  
Multiply the denominators.

$$= \frac{9}{48}$$

Simplify

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

4. Find  $\frac{2}{3} \times 5$

$$\frac{2}{3} \times 5 = \frac{2}{3} \times \frac{5}{1}$$

First make 5 into  $\frac{5}{1}$ 

$$\frac{2}{3} \times \frac{5}{1} = \frac{2 \times 5}{3}$$

Multiply the numerators.  
Multiply the denominators.

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

5. Find  $3 \times \frac{2}{9}$

$$3 \times \frac{2}{9} = \frac{3}{1} \times \frac{2}{9}$$

First make 3 into  $\frac{3}{1}$ 

$$\frac{3}{1} \times \frac{2}{9} = \frac{2 \times 3}{1 \times 9}$$

Multiply the numerators.  
Multiply the denominators.

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

Simplify

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

6. Find  $\frac{4}{5} \times \frac{2}{3}$

$$\frac{4}{5} \times \frac{2}{3} = \frac{4 \times 2}{3 \times 5}$$

Multiply the numerators.  
Multiply the denominators.

$$= \frac{8}{15}$$

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

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

Multiply the numerators.  
Multiply the denominators.

$$= \frac{10}{18}$$

Simplify

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

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8. Find  $\frac{5}{6}x \frac{2}{3}x \frac{3}{4}$

$$\frac{5}{6}x \frac{2}{3}x \frac{3}{4} = \frac{5x2x3}{6x3x4}$$

Multiply the numerators.  
Multiply the denominators.

$$= \frac{30}{72}$$

Simplify

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

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9. Find  $\frac{5}{6}x \frac{1}{4}x \frac{2}{3}$

$$\frac{5}{6}x \frac{1}{4}x \frac{2}{3} = \frac{5x1x2}{6x4x3}$$

Multiply the numerators.  
Multiply the denominators.

$$= \frac{10}{72}$$

Simplify

$$= \frac{5}{36}$$

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10. Find  $\frac{2}{5}x \frac{1}{6}x3$

$$\frac{2}{5}x \frac{1}{6}x3 = \frac{2}{5}x \frac{1}{6}x \frac{3}{1}$$

First make 3 into  $\frac{3}{1}$

$$\frac{2}{5}x \frac{1}{6}x \frac{3}{1} = \frac{2x1x3}{5x6x1}$$

Multiply the numerators.  
Multiply the denominators.

$$= \frac{6}{30}$$

Simplify

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