

18. Fraction Multiplication

$$a/b \times c/d = (a \times c) / (b \times d)$$

a)

$$\begin{aligned} 1/2 \times 3/4 &= (1 \times 3) / (2 \times 4) \\ &= \mathbf{3/8} \end{aligned}$$

$$\begin{aligned} 2/3 \times 5/7 &= (2 \times 5) / (3 \times 7) \\ &= \mathbf{10/21} \end{aligned}$$

$$\begin{aligned} 3 \times 2/5 &= (3 \times 2) / 5 \\ &= \mathbf{6/5} \end{aligned}$$

$$\begin{aligned} 4/9 \times 3 &= (4 \times 3) / 9 \\ &= 12/9 = \mathbf{4/3} \end{aligned}$$

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b)

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

c)

$$\frac{5}{6} \times \frac{1}{3} = \boxed{}$$

d)

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

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e)

$$\frac{7}{8} \times \frac{2}{5} = \boxed{}$$

f)

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