

To multiply fractions, 'times the top, times the bottom'.

$$\frac{2}{5} \times \frac{4}{3} = ? \quad \rightarrow \quad \frac{2}{5} \times \frac{4}{3} = \frac{8}{15}$$

$2 \times 4 = 8$
 $5 \times 3 = 15$

$$\frac{3}{7} \times \frac{2}{11} = ? \quad \rightarrow \quad \frac{3}{7} \times \frac{2}{11} = \frac{6}{77}$$

$3 \times 2 = 6$
 $7 \times 11 = 77$

$$\frac{5}{7} \times \frac{5}{12} = ? \quad \rightarrow \quad \frac{5}{7} \times \frac{5}{12} = \frac{25}{84}$$

$5 \times 5 = 25$
 $7 \times 12 = 84$



To divide fractions 'flip the second fraction upside down, then times the top, times the bottom.'

$$\frac{1}{5} \div \frac{3}{4} = ? \quad \rightarrow \quad \frac{1}{5} \times \frac{4}{3} \quad \rightarrow \quad \frac{1}{5} \times \frac{4}{3} = \frac{4}{15}$$

1 x 4 = 4

5 x 3 = 15

NOTE: This is also known as finding the reciprocal.

$$\frac{3}{8} \div \frac{5}{7} = ? \quad \rightarrow \quad \frac{3}{8} \times \frac{7}{5} \quad \rightarrow \quad \frac{3}{8} \times \frac{7}{5} = \frac{21}{40}$$

3 x 7 = 21

8 x 5 = 40

$$\frac{2}{5} \div \frac{11}{13} = ? \quad \rightarrow \quad \frac{2}{5} \times \frac{13}{11} \quad \rightarrow \quad \frac{2}{5} \times \frac{13}{11} = \frac{26}{55}$$

2 x 13 = 26

5 x 11 = 55

