

COUNTDOWN Challenge

Multiplying and Dividing Fractions

What do you notice about the relationship between the fractions and the whole numbers in the columns below,?

Multiply Unit Fractions	Divide Whole Numbers	Divide Unit Fractions	Multiply Whole Numbers
$4 \times \frac{1}{2} =$	$4 \div 2 =$	$4 \div \frac{1}{2} =$	$4 \times 2 =$
$6 \times \frac{1}{2} =$	$6 \div 2 =$	$6 \div \frac{1}{2} =$	$6 \times 2 =$
$8 \times \frac{1}{2} =$	$8 \div 2 =$	$8 \div \frac{1}{2} =$	$8 \times 2 =$
$9 \times \frac{1}{3} =$	$9 \div 3 =$	$9 \div \frac{1}{3} =$	$9 \times 3 =$
$4 \times \frac{1}{4} =$	$4 \div 4 =$	$4 \div \frac{1}{4} =$	$4 \times 4 =$
$5 \times \frac{1}{5} =$	$5 \div 5 =$	$5 \div \frac{1}{5} =$	$5 \times 5 =$

Proper Fraction x Proper Fraction

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

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

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

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

Proper Fraction \div Proper Fraction

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

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

$$\frac{5}{8} \div \frac{2}{7} =$$

$$\frac{2}{7} \div \frac{5}{8} =$$

Mixed Fraction x Proper Fraction

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

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

Proper Fraction x Mixed Fraction

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

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

Mixed Fraction \div Proper Fraction

$$1\frac{2}{3} \div \frac{2}{3} =$$

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

Proper Fraction \div Mixed Fraction

$$\frac{2}{3} \div 1\frac{2}{3} =$$

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

Mixed Fraction x Mixed Fraction

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

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

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

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

Mixed Fraction \div Mixed Fraction

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

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

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

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