

MathFLIX CHALLENGE

Dividing Fractions Illustrated

Complete the table below by studying the pattern in the first example.

Problem	Visual representation as a line	Visual representation as a circle	Decimal	Complex Fraction	Multiply by reciprocal
$2 \div \frac{1}{2}$			$.5 \overline{)2.0}^4$	$\frac{2}{\frac{1}{2}} = 4$	$2 \times \frac{2}{1} = 4$
$1\frac{1}{2} \div \frac{1}{2}$			$.5 \overline{)1.5} =$	$\frac{1\frac{1}{2}}{\frac{1}{2}} =$	$1\frac{1}{2} \times \frac{2}{1} =$
$1 \div \frac{1}{2}$			$.5 \overline{)1.0} =$	$\frac{1}{\frac{1}{2}} =$	$1 \times \frac{2}{1} =$
$\frac{1}{2} \div \frac{1}{2}$			$.5 \overline{).5} =$	$\frac{\frac{1}{2}}{\frac{1}{2}} =$	$\frac{1}{2} \times \frac{2}{1} =$
$\frac{1}{4} \div \frac{1}{2}$			$.5 \overline{).25} =$	$\frac{\frac{1}{4}}{\frac{1}{2}} =$	$\frac{1}{4} \times \frac{2}{1} =$
$\frac{1}{8} \div \frac{1}{2}$			$.5 \overline{).125} =$	$\frac{\frac{1}{8}}{\frac{1}{2}} =$	$\frac{1}{8} \times \frac{2}{1} =$