

## Dividing Fractions 1

Remember:            **numerator**             $\frac{2}{5}$             2 = numerator  
                                 **denominator**            5            5 = denominator

When **dividing fractions**, there are two steps to remember. First **invert** the **numerator and denominator** of the **second fraction**, then **multiply** the **fractions** in the usual way.

Example:      $\frac{2}{5} \div \frac{1}{5} = \frac{2}{5} \times \frac{5}{2} = \frac{10}{10}$

Now try these remembering to simplify or change to a mixed number where necessary.

1.      $\frac{3}{7} \div \frac{2}{7} =$

2.      $\frac{4}{9} \div \frac{1}{9} =$

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

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

5.      $\frac{9}{11} \div \frac{7}{11} =$

6.      $\frac{11}{12} \div \frac{8}{12} =$

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

8.      $\frac{8}{10} \div \frac{4}{10} =$

## Dividing Fractions 1 - ANSWERS

$$1. \quad \frac{3}{7} \div \frac{2}{7} = \frac{21}{14} = 1\frac{7}{14} = 1\frac{1}{2}$$

$$2. \quad \frac{4}{9} \div \frac{1}{9} = \frac{36}{9} = 4$$

$$3. \quad \frac{2}{3} \div \frac{1}{3} = \frac{6}{3} = 2$$

$$4. \quad \frac{4}{5} \div \frac{3}{5} = \frac{20}{15} = 1\frac{5}{15} = 1\frac{1}{3}$$

$$5. \quad \frac{9}{11} \div \frac{7}{11} = \frac{99}{77} = 1\frac{22}{77} = 1\frac{2}{7}$$

$$6. \quad \frac{11}{12} \div \frac{8}{12} = \frac{132}{96} = 1\frac{36}{96} = 1\frac{3}{8}$$

$$7. \quad \frac{5}{8} \div \frac{2}{8} = \frac{40}{16} = 2\frac{8}{16} = 2\frac{1}{2}$$

$$8. \quad \frac{8}{10} \div \frac{4}{10} = \frac{80}{40} = 2$$