

N6.10.1 | Fractions  
Dividing fractions  
**non calculator**

Work out the following and simplify the answer where possible.

$\frac{2}{3} \div \frac{8}{9} = \frac{2^1}{3_1} \times \frac{9^3}{8_4} = \frac{3}{4}$	$\frac{5}{7} \div \frac{6}{14} = \frac{5}{7_1} \times \frac{14^2}{6_3} = \frac{5 \times 2}{3} = \frac{10}{3}$ $= 3\frac{1}{3}$	$\frac{3}{7} \div 5 = \frac{3}{7} \div \frac{5}{1} = \frac{3}{7} \times \frac{1}{5} = \frac{3}{35}$
$\frac{4}{5} \div \frac{1}{15} =$	$\frac{4}{9} \div \frac{3}{24} =$	$\frac{5}{16} \div \frac{15}{64} =$
$\frac{2}{4} \div \frac{3}{12} =$	$\frac{4}{7} \div \frac{3}{2} =$	$\frac{9}{7} \div \frac{18}{14} =$
$\frac{6}{5} \div \frac{4}{3} =$	$\frac{3}{6} \div \frac{12}{36} =$	$\frac{3}{5} \div \frac{4}{7} =$
$\frac{6}{13} \div \frac{12}{39} =$	$\frac{4}{25} \div \frac{64}{5} =$	$\frac{42}{45} \div \frac{7}{9} =$
$\frac{36}{81} \div \frac{6}{27} =$	$\frac{3}{5} \div \frac{4}{7} =$	$\frac{4}{5} \div 6 =$
$5 \div \frac{15}{4} =$	$\frac{12}{13} \div \frac{144}{169} =$	$\frac{3}{8} \div \frac{12}{32} =$
$\frac{6}{7} \div \frac{8}{28} =$	$\frac{46}{3} \div \frac{23}{3} =$	$\frac{7}{9} \div \frac{3}{2} =$
$\frac{6}{72} \div \frac{34}{36} =$	$\frac{4}{5} \div \frac{8}{25} =$	$\frac{16}{3} \div \frac{32}{6} =$
$\frac{15}{9} \div \frac{45}{108} =$	$\frac{49}{25} \div \frac{7}{5} =$	$0 \div \frac{123}{321} =$