

# Fractions lesson 4 - Dividing Fractions

Magic Monk Tutorials

## 1 Evaluate the following fractions.

**1.1**  $\frac{2}{3} \div \frac{3}{2}$

$$\frac{2}{3} \div \frac{3}{2} = \frac{2}{3} \cdot \frac{2}{3} = \frac{2 \cdot 2}{3 \cdot 3} = \frac{4}{9}$$

**1.2**  $\frac{1}{2} \div \frac{1}{2}$

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

**1.3**  $\frac{4}{3} \div \frac{7}{6}$

$$\frac{4}{3} \div \frac{7}{6} = \frac{4}{3} \cdot \frac{6}{7} = \frac{4 \cdot 6}{3 \cdot 7} = \frac{24}{21} = \frac{8}{7}$$

**1.4**  $1 \div \frac{1}{5}$

$$1 \div \frac{1}{5} = 1 \cdot \frac{5}{1} = 5$$

**1.5**  $\frac{3}{5} \div \frac{25}{8}$

$$\frac{3}{5} \div \frac{25}{8} = \frac{3}{5} \cdot \frac{8}{25} = \frac{3 \cdot 8}{5 \cdot 25} = \frac{24}{125}$$

**1.6**  $\frac{32}{41} \div \frac{13}{21}$

$$\frac{32}{41} \div \frac{13}{21} = \frac{32}{41} \cdot \frac{21}{13} = \frac{32 \cdot 21}{41 \cdot 13} = \frac{672}{533}$$