

Fractions: the basics — worked solutions

Q1. The numerator is above the line and the denominator below it.

(a) numerator 3, denominator 8

(b) numerator 5, denominator 12

Q2. Divide the numerator and the denominator by the same factor.

(a) $\frac{6}{9} = \frac{6 \div 3}{9 \div 3} = \frac{2}{3}$

(b) $\frac{20}{25} = \frac{20 \div 5}{25 \div 5} = \frac{4}{5}$

Q3. Multiplying the denominator by 4 gives 12, so multiply the numerator by 4 as well:

$$\frac{2}{3} = \frac{2 \times 4}{3 \times 4} = \frac{8}{12}.$$