

Learn all the foundation key facts and remember these top tips

Direct and Inverse Proportion

If two amounts are directly proportional we write

$$y \propto x$$

a) y is directly proportional to x $y = kx$

b) y is directly proportional to x^2 $y = kx^2$

c) y is directly proportional to \sqrt{x} $y = k\sqrt{x}$

d) y is inversely proportional to x $y = \frac{k}{x}$

e) y is inversely proportional to x^2 $y = \frac{k}{x^2}$

f) y is inversely proportional to \sqrt{x} $y = \frac{k}{\sqrt{x}}$