

Example :-

$$\text{Simplify } \frac{8x^7}{2x^2}$$

Deal with the  
**8** and the **2** first  
(i.e.  $8 \div 2$ )  
then the indices.

$$\frac{8x^7}{2x^2} = 4x^5$$

**Simplify** as far as possible :-

(a)  $\frac{9x^5}{3x^3}$

(b)  $\frac{16y^8}{4y^5}$

(c)  $\frac{8y^6}{6y^2}$

(d)  $\frac{20k^{12}}{16k}$

(e)  $\frac{36p^7}{24p^6}$

(f)  $14x^7 \div 7x^4$

(g)  $\frac{12p^4}{4p^{-2}}$

(h)  $\frac{21q^3}{14q^{-2}}$

(i)  $\frac{18w^{-3}}{16w^2}$

(j)  $\frac{4w^5x^3}{2w^2x^2}$

(k)  $\frac{27x^2z^3}{21xz^{-2}}$

(l)  $48x^2 \div 12x^{-1}$