

Indices

Level 1

$$a + a + a = 3a$$

$$5a - 2a = 3a$$

$$a \times a \times a = a^3$$

$$a^5 \div a^2 = a^3$$

Examples

$$2y \times 3y = 6y^2$$

$$24f^6 \div 8f^2 = 3f^4$$

$$12b^3 \div 4b^4 = \frac{3}{b}$$

Practise

a) $4a \times a$

b) $6b^2 \times 3b$

c) $9c^3 \times 4c^2$

d) $(3d)^2$

e) $(4e^3)^2$

f) $(2f) \times (3f^3)^2$

g) $8g^2 \div 4g$

h) $32h^5 \div 4h^2$

j) $12j \div 4j^2$

k) $(3k)^2 \div 9k$

m) $(4m^3)^2 \div (2m)^3$

n) $(3n^4)^2 \div (2n^3)^3$

p) $\frac{6p^3 \times 3p}{9p^2}$

q) $\frac{(5q)^2 \times 4q^3}{10q}$

r) $\frac{(3r^2)^2 \times (2r)^3}{(6r)^2}$

s) $\frac{(3s^2)^3 \times 4s}{18s^8}$

t) $45t^7 \div (3t^3)^2$

u) $\frac{(3u)^4 \times (4u)^3}{(6u^2)^3}$