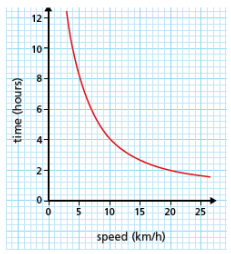
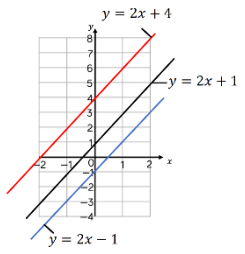
MATHEMATICS

Post 16





ALGEBRA

YEAR 11

revision — factorising quadratics

$$x^a \times x^b \equiv x^{a+b}$$

$$x^a \div x^b \equiv x^{a-b}$$

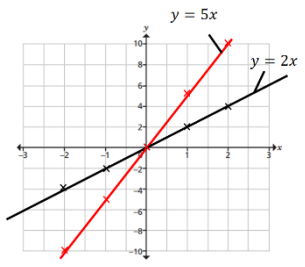
$m_2 = -\frac{1}{m_1}$ $4 \times -\frac{1}{4} = -1$

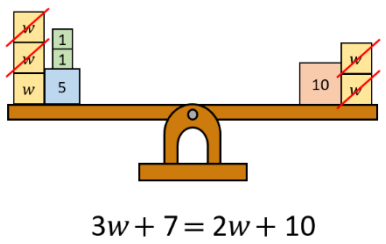
$m_1 \cdot m_2 = -1$

$\frac{\text{Change in } y}{\text{Change in } x}$

nth term — solve linear simultaneous equations

YEAR 10





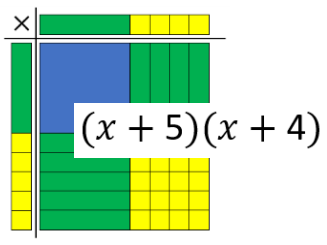
$3w + 7 = 2w + 10$

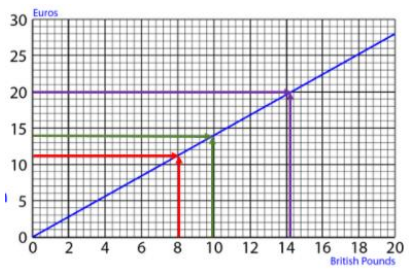
n	1	2	3	4
$3n$		6		
$3n + 9$				

indices — y = mx + c — speed/distance/time graphs

YEAR 9

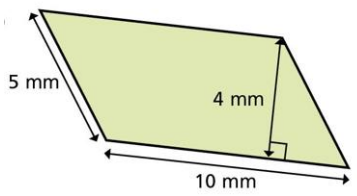
$$A = \frac{1}{2}(a + b)h$$



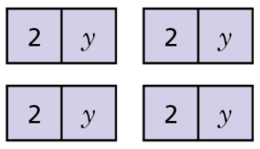


formulae — simplify & expand expressions — conversion graphs

YEAR 8

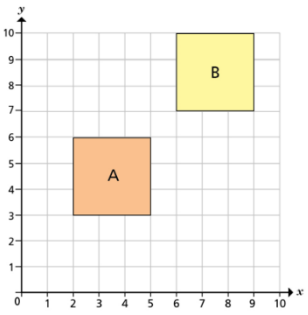


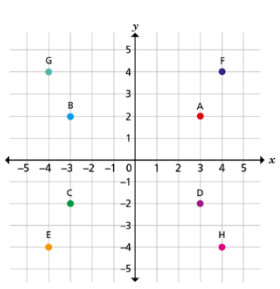
4(2 + y)



3y + 8 = 2

sequences

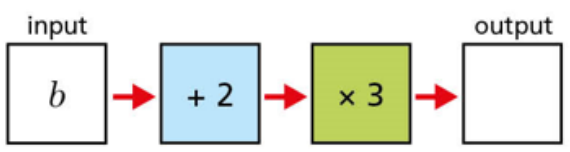




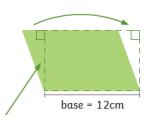
n	1	2	3
$2n + 3$			

function machines — algebraic expressions

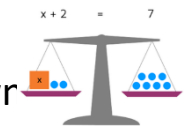
YEAR 7



Coming From Key Stage 2…



ormulae-number sequences-missing numbers-unknowr



"Maths is like sunlight which blossoms the flower of curiosity."