

Using and Rearranging Formulae *ramp up*

ANSWERS

a $P = 4s$ Find s when $P = 28$ $s = 7$ using a formula backwards	b Make x the subject of $y = x + 5$ $x = y - 5$ undo adding	c Make x the subject of $y = 4x$ $x = \frac{y}{4}$ undo multiplying	d Make x the subject of $y = \frac{x}{3}$ $x = 3y$ undo dividing
e Make x the subject of $y = 2x + 7$ $x = \frac{y - 7}{2}$ two steps: undo the adding first	f Make x the subject of $y = 3(x - 2)$ $x = \frac{y}{3} + 2$ a bracket: undo the multiplying first	g Make x the subject of $y = \frac{x + 4}{3}$ $x = 3y - 4$ a whole top divided: multiply first	h Make x the subject of $y = 10 - x$ $x = 10 - y$ the subject being subtracted
i Make t the subject of $v = u + at$ $t = \frac{v - u}{a}$ letters only	j Make x the subject of $A = x^2$ $x = \sqrt{A}$ undo a square	k Make x the subject of $y = \sqrt{x}$ $x = y^2$ undo a square root	l Make r the subject of $A = 4r^2$ $r = \sqrt{\frac{A}{4}}$ a number times a square

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