IGCSE rearranging Answers

1.	$\frac{5A}{r} - 2$ or $\frac{5A - 2r}{r}$	3	**M1** for correctly multiplying by 5 **M1** for correctly dividing by r **M1** for correct subtraction in any order
2.	$\frac{2cw - 4w}{5}$ oe	3	**M1** one correct move to clear fractions **M1** second correct move to subtract term **M1** third correct move dividing by 5 May be in any order
3.	$x = \frac{3}{P - 1}$	4	**M1** for each of the four moves completed correctly
4.	$k = (\pm)\sqrt{\frac{4A}{(4 - \pi)}}$ or $2\sqrt{\frac{A}{(4 - \pi)}}$	**3**	**M1** factorising (must contain a π) **M1** division (by coefficient of k^2) **M1** square root
5.	$\frac{4 + bc}{c}$ or $\frac{4}{c} + b$ cao	**3**	**M1** correct move completed **M1** second correct move completed **M1** third correct move completed
6.	$(x =)\ 3(y - 5)$ oe final answer	**2**	**M1** for correct first move $y - 5 = \frac{x}{3}$ or $3y = x + 15$ **M1** for their correct second move
7.	$w = \frac{4 - 3c}{c - 1}$ www	**4**	**M1** clearing denominator and removing brackets **M1** correctly collecting terms in w on one side only **M1** factorising correctly **M1** divide by coefficient of w
8.	$\frac{a(2 - t)}{3}$ cao oe	**3**	**M1** correct re-arrangement to isolate the term in w **M1** correct multiplication by a **M1** correct division by their 3 An incorrect answer scores a maximum of **M2**
9.	**(a)** 2.84	**2**	**M1** correct substitution of g and l seen
	(b) $\frac{4\pi^2 l}{T^2}$ oe	**3**	**M1** each correct move but third move marked on answer line
10.	**(a)** 2.5×10^5	**3**	**B2** 250000 oe or **M1** correct part value seen
	(b) $C = 1/(Lw^2)$	**3**	**M1** each correct move
11.	$p = \frac{c}{a - x}$	**3**	**M1** one correct move **M1** second correct move **M1** third correct move marked on answer line

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12.	$\frac{4y+2}{y-1}$ oe	**4**	**M1** $xy - 4y = x + 2$ **M1** collecting terms in x on one side **M1** factorising **M1** dividing by coeff of x
13.	$\sqrt{\frac{\pi x^2 - A}{\pi}}$ oe	**3**	**M1** for one correct move **M1** for second correct move **M1** for third correct move
14.	$x = +/- \sqrt{(5y)} - 3$ or $x = +/- \sqrt{5y} - 3$	3	**M1** correct move of the 5 completed **M1** correct move of the square completed **M1** correct move of the 3 completed
15.	$m = \frac{J}{v-u}$	2	**M1** $m(v - u)$ seen
16.	$\frac{4h}{g^2}$ or $h\left(\frac{2}{g}\right)^2$	3	**M1** squaring correctly **M1** clearing denominator correctly **M1** dividing by coefficient of i or **SC2** for correct unsimplified expression