

KS3 – Formulae – Answers

Section A – One-Step Rearranging

Q1

- a) $x = y - 6$
- b) $q = p + 4$
- c) $b = a \div 5$
- d) $n = 7m$

Q2

- a) $x = y + 9$
- b) $d = c - 12$
- c) $q = p \div 8$
- d) $s = 5r$

Q3

- a) $h = A \div b$
- b) $t = d \div s$
- c) $n = C \div 4$

Q4

- a) $x = -y \div 3$
- b) $q = 4p$
- c) $b = -a \div 5$

Section B – Two-Step Rearranging

Q5

a) $x = (y - 5) \div 2$

b) $x = (y + 4) \div 3$

c) $x = (y - 7) \div 5$

Q6

a) $x = (y + 9) \div 4$

b) $x = (y - 11) \div 6$

c) $x = (y + 3) \div 8$

Q7

a) $l = (P - 6) \div 2$

b) $n = (C + 8) \div 5$

c) $u = (v - 10) \div 3$

Q8

a) $x = 3y - 4$

b) $q = 2p + 5$

c) $b = 4a - 7$

Q9

a) $x = (7 - y) \div 2$

b) $x = (10 - y) \div 5$

c) $x = (4 - y) \div 3$

Section C – Multi-Step Rearranging

Q10

a) $l = (P - 2w) \div 2$

b) $a = (v - u) \div t$

c) $r = C \div (2\pi)$

Q11

a) $h = 2A \div (a + b)$

b) $t = 2s \div (u + v)$

c) $h = V \div (lw)$

Q12

a) $x = y \div 3 - 4$

b) $x = y \div 5 + 2$

c) $x = (y - 4) \div 8$

Q13

a) $q = (p - 2r) \div 3$

b) $x = (A - 5y) \div 2$

c) $n = (m + 3p) \div 4$

Q14

$a = 2A \div h - b$

Q15

$s = (v^2 - u^2) \div (2a)$