

Answers to Maths Induction task July 2017

1a	Missing values: -6, 3, -1
1b	Graph drawn
1c	-2,1, 2,1 (allow 2 to 2.2)
2	0.75 g/cm^3
3a	Bottom left option
3b	123.7
4	8.97 cm^2
5	59
6a	9
6b	$x > 8.5$
7a	$2n + 19$
7b	7
8	$x = 1.5; y = -7$
9	$4 \frac{8}{9}$
10	1 st and 4 th
11	$y = 3x - 2$
12	Third, first, second
13a	$(3x + 2)(x - 5)$
13b	$3x/(3x + 2)$
14	4
15	$x = 5/(y - 3)$
16a	$(x - 5)^2 - 13$
16b	2
17	$1/25$
18	Show workings – we'll check this in class
19	£1560
20a	$4/625$
20b	2.25×10^{-4}
21	$27/55$
22	4.5
23	0.64, -1.24