



Q	Answer	Marks
1	a) 48 b) multiply by 2 (accept double the previous term)	2
2	£2704	2
3	$x = 2.63$, $x = -0.633$	4
4	$\frac{5}{14}$	3
5	a) $(m - 8)(m + 8)$ b) $(k - 10)(k + 10)$	2
6	a) Box plot with whiskers at 11 and 24, box from 13 to 18, median line at 15 b) 5	3
7	$(-2, -3)$, $(-5, -3)$, $(-2, -9)$	2
8	$-\frac{3}{2}$	2
9	The left whisker should end at 15 (the shortest time), not 12; the median line should be at 38, not 34	2
10	up to 60) 5 up to 70) 16 up to 80) 30 up to 90) 37 up to 100) 40	2
11	$y = 2x + 2$	3
12	a) 7.85 b) 3.8	3
13	Triangles OAM and OBM are congruent (SSS), so angle AOM = angle BOM and OM bisects angle AOB	3
14	180	2
15	19.2 cm	3
16	a) 1.5 m/s^2 b) 168 m	3
17	a) 4.5 b) the number of litres in 1 gallon (4.5 litres per gallon)	3
18	Rotation 270° clockwise (or 90° anticlockwise) about (0, 0)	2
19	150°	2
20	$\frac{7}{9}$	2

Full worked solutions, written out by hand, are on the solutions sheet for this sheet.