

- 1** **a** 70 **(1)**
 b 2100 **(1)**
 c $2076 \div 3$ **(1)**
 692 **(1)**
- 2** **a** £4.15 **(1)**
 b £5.85 **(1)**
 c D and D **(1)**
 A and F **(1)**
- 3** **a** 21 **(1)**
 b 9 **(1)**
 c correct representation of 18 (four complete 'squares' + half a 'square') **(1)**
- 4** **a** 6 **(1)**
 b 12 **(1)**
 c 3 **(1)**
- 5** **a** 58 mm **(1)**
 b 8 mm **(1)**
 c bar at correct height for 54 mm **(1)**
 d 22 mm **(1)**
- 6** correct reflected shape **(2)**
 or correct shape either one square 'too near' or 'too far' or 'almost correct' but with error in **one** point **(1)**
- 7** **a** (10, 8) **(1)**
 b 8 **(1)**
 c 48 **(1)**
 d (6, 5) **(1)**
- 8** 0.08, 0.27, 0.361, 0.4, 0.613 **(2)**
 or 0.08 and 0.613 correct, but other errors **(1)**
 or 0.27, 0.361 and 0.4 correct as the middle three **(1)**
- 9** **a** 36 **(1)**
 b 42 **(1)**
 c 15 **(1)**
 d 29 **(1)**

- 10 a** 25 m/s (1)
- b** 36 km/h (1)
- c** 4×11 or 2×22 oe (using 40 km/h or 80 km/h oe) (1)
44 m/s ... accept an answer in the range 44 to 45 m/s (1)
- 11** 58p seen or 228p seen or 114p seen (1)
29p (1)
- 12 a** correct pattern of sticks for pattern 4 (1)
- b** 14 (1)
18 (1)
- c** 'add 4 each time' oe (1)
- d** pattern 10 (1)
- e** counting on from 38 sticks and showing that 46 and 50 are correct (so 48 is not)
or 48 is 10 more than 38, and 10 doesn't divide by 4
or any other valid equivalent statement (1)
- 13 a** 4 (1)
- b** 6 (1)
- c** 5.8 (1)
- 14** $2 \times \text{£}19.50$ or $\text{£}39.00$ seen (1)
 $201.50 - \text{their } 39.00$ or 162.50 seen (1)
 $\text{their } 162.50 \div 12.50$ oe (1)
13 (1)
- 15** any two of 10, 4 and 8 used (1)
 $\frac{10+16}{8}$ or $\frac{26}{8}$ (1)
3 'and a bit' or 3.25 oe **and** Nick (1)
- 16** all four correct ie. 7, 11, 19, 35 (3)
or three correct (allow ft from a wrong value) e.g. (8), 13, 23, 43 or 7, (12), 21, 39 etc (2)
or one or two correct (allow ft) (1)
- 17 a** $-20 - 6$ (1)
 -26 (1)
- b** $2x = 20 + 3$ or $2x = 23$ (1)
11.5 oe (1)
- 18** evidence of equivalent ratio e.g. multiplying/dividing by 6 ($3 \times 6 = 18$ or $18 \div 6 = 3$)
or $\text{£}18 \div 3 \times 2$ (1)
 $\text{£}12$ (1)
- 19** $89p \times 400$ (1)
 13.99×24 (1)
either $\text{£}356.00$ or $\text{£}335.76$ (1)
both correct answers + correct conclusion ie. $\text{£}13.99$ per month contract is cheaper (1)

20 a $\frac{12}{16}$ (1)
 $\frac{18}{24}$ (1)

b $£65 \div 5 \times 2$ (must be full method) (1)
 $£26$ (1)

21 a

	Pass	Fail	Total
Male	24	8	32
Female	16	2	18
Total	40	10	50

32 (1)
 8 and 24 (1)
 16 and 2 (ft their 24) (1)
 40 and 10 (ft their 24, 16 etc) (1)

b ft for $\frac{40}{50}$ oe

22 9 litres = 2 gallons used (1)
 35 (1)
 40 and car B (1)

23 $180 - 60$ or 120 (1)
 their $120 \div 3$ (1)
 $x = 40$ and $y = 80$ (1)

3 marks for T&I leading to **both** answers correct
 (1 mark max. for attempts to get a total of 180 by T&I,
 but with errors)