

Question	Answer	Marks	Notes and guidance
la	30 042	I	
lb	1078, 1087, 1708, 1807 and 1870	2	Award I mark if only one value misplaced.
2	$\frac{7}{20}$	2	Award I mark for an equivalent fraction that is not simplified e.g. $\frac{35}{100}$
3a	3 500	I	
3b	62.8	I	
3c	e.g. • "I hour 45 minutes = 1.75 hours" • "I.45 hours = I hour 27 minutes"	2	Accept any correct reason
4a	£107.75	2	Award I mark for a fully correct method to find total cost. e.g. $32.50 \times 2 + 14.25 \times 3$
4b	7	2	Award I mark for a fully correct method to find the number of tickets. e.g. 145.25 ÷ 20.25
5a	7.8 cm	I	Accept answer in cm or mm Allow 7.7 to 7,9 cm or 77 to 79 mm
5b	115°	I	Allow ±1°



6 a	Fully correct ordered stem-and-leaf diagram. e.g. Key I 5 means 15 <u>1 5 6 7 8 8 9</u> <u>2 1 4 6</u> 3 1 7	3	Award I mark for a fully complete unordered stem-and-leaf diagram. Award I mark for a correct key.
6b	19	2	Award I mark for clear identification of the median being the 6 th value. Follow through from their ordered stem and leaf diagram
6с	e.g. "No because the median is 19 so adding in 25 will increase the value of the median"	I	Accept "No" with any valid reason.
7	2.75 ое	2	Award I mark for a correct first step to find y. e.g. $4y = 11$ or $y - 2 = \frac{3}{4}$
8	e.g. $\frac{3}{8}$ of £320 because this is £120 but 17% of £600 is only £102	3	Award I mark for fully correct method to find either 17% of 600 or $\frac{3}{8}$ of 320 Award 2 nd mark for both values correctly found
9 a	4f - 7e	2	Award I mark for one correct term.
9Ь	-8	2	Award I mark for fully correct method to substitute the value for <i>h</i> . e.g. $\frac{3(-5)-1}{2}$



10	$\frac{1}{3}, \frac{2}{5}, \frac{1}{2}, \frac{8}{15}, \frac{5}{6}$	2	Award I mark if only one value misplaced or for fully correct method to compare e.g. finding equivalent fractions with a common denominator
lla	7.20	2	Award I mark for correctly finding the value of one sandwich. e.g. $12 \div 5 (= 2.40)$
llb	14	2	Award I mark for fully correct method to calculate the number of sandwiches. e.g. $35 \div 2.4 (= 14.5)$
l 2a		2	Award I mark for correct diagram in incorrect orientation.
I2b		2	Award I mark for correct diagram in incorrect orientation.



l 3a	$7x - x^2 + 2xy$	2	Award I mark for two correct terms
I 3b	36 + 8x	2	Accept $8x + 36$ Award I mark for a correct unsimplified expression
14	e.g. ● 15, 15, −3	2	Accept any three numbers with a sum of 27 not including 9 Award I mark for clear indication that the sum of the three numbers is equal to 27
15a	£850	I	
I 5b	(4, 380) plotted on grid	I	
15c	Negative	I	
I 5d	Accept answers from 620 to 700 found from a line of best fit shown.	2	Award I mark for answer in the correct range without line of best fit drawn OR line of best fit seen.
l 5e	Point (3, 210) clearly indicated	I	
16	6n - 1	2	Award I mark for any expression of the form $6n \pm k$
17	 e.g. The bars are not equal widths The vertical axis does not increase in equal amounts The axes are not labelled 	2	Award I for each correct reason.



18	£5485.88		3	Award 2 marks for fully correct method e.g. 5200×1.018^3 or complete 'build up' method. Award 1 mark for finding the interest or total after one year.
19	$119.5 \le l < 120.5$		2	Award I mark for correctly identifying one bound. i.e. 119.5 or 120.5 seen.
20	$\frac{1}{5}$		I	Accept 0.2
21a	x -3 -2 -1 0 1 2 y 8 3 0 -1 0 3	3 8	2	Award I mark for at least 2 correct values.
21b	Fully correct coordinates plotted and joined work one smooth curve.	<i>r</i> ith	2	Award I mark for plotting at least 5 points from their table of values



22a	3.75 hours or 3 hours 45 minutes	2	Award 1 mark for fully correct method to calculate the time taken. e.g. $3 \times 5 \div 4$
22b	e.g. Each cleaner works at the same rate	I	Accept any valid reason
23	52.8	2	Award I mark for fully correct method to calculate area of the sector e.g. $\frac{42}{360} \times 144\pi$
24	165 000	2	Award I mark for fully correct method to calculate original price. e.g. 156 750 ÷ 0.95
25	28	3	Award I mark for correctly calculating the base length of the triangle. e.g. $84 \div 12 = 7$ Award 2 nd mark for fully correct method to find the area of the triangle using their base length. e.g. '7' × 8 ÷ 2 (= 28)
26	x = -5 and $x = 2$	2	Award I mark for pair of factors found that give at least two out of three correct terms e.g. (x + 5)(x - 2) or $(x - 5)(x + 2)$ or correct substitution into quadratic formula with no more than one sign error
27	64.6°	2	Award I mark for correct method to calculate θ seen or implied e.g. $\cos \theta = \frac{3}{7}$ or $\theta = \cos^{-1}(\frac{3}{7})$