1	(a)		$30 < t \le 40$	1	B1	
	(b)	e.g. 5 × 4 + 15 × 10 + 25 × 15 + 35 × 25 + 45 × 6 (= 1690) or 20 + 150 + 375 + 875 + 270 (= 1690)		4	M2	For correct products using midpoints (allowing one error) with intention to add.
						If not M2 then award M1 for products using frequency and a consistent value within the range (allowing one error) with intention to add or correct products using midpoint without addition.
		"1690" ÷ 60			M1	dep on M1
			28.2		A1	accept 28.1 - 28.2
						Total 5 marks

2	(a)		9, 28, 45, 63, 76, 80	1	B1	
	(b)			2	B2	for a correct cf graph with points at ends of intervals and joined with a curve or line segments If not B2 then B1 for 5 or 6 of their points (ft from a table with only one arithmetic error) at ends of intervals and joined with a curve or line segments <b>OR</b> for 5 or 6 points plotted correctly at ends of intervals not joined <b>OR</b> for 5 or 6 their points from table plotted consistently within each interval (not at upper ends of intervals) at their correct heights and joined with a curve or line segments
	(c)	e.g. reading across from 40 and reading down		2	M1	ft reading from a cf graph provided method is shown
			35 - 38		A1	ft from their cf graph
						Total 5 marks

3		3	M1	for one of - 5 numbers with a median of 8 - 5 numbers with a mode of 5 - 5 numbers with a range of 10 - 5 numbers with a sum of 45
			M1	for two of - 5 numbers with a median of 8 - 5 numbers with a mode of 5 - 5 numbers with a range of 10 - 5 numbers with a sum of 45
	5, 5, 8, 12, 15		A1	Note: The numbers can be in any order SC If no marks awarded, give B1 for 8 in the middle cell, not contradicted.
				Total 3 marks

4	·	$15 \times 24 (= 360)$ or $25 \times 18 (= 450)$		3	M1	may be implied by 810 seen
		$\frac{'360'+'450'}{40} \ (=\frac{810}{40})$			M1	dep on M1
			20.25 oe		A1	for 20.25 accept 20.3 (allow 20 from correct working)
						Total 3 marks

5	(a)	35 37 38 39 41 42 43 44 45 47 47		3	M1	Ordering values (allow 1 error) error may include missing a value May be implied by correct values for LQ <b>and</b> UQ.
					M1	LQ = 38 and $UQ = 45$ identified
			7		A1	
	(b)		January and reason using IQR	1	B1	ft from part (a) January as the IQR is lower oe ignore irrelevant statements about the median if given in addition to correct statements about IQR.
						Total 4 marks

6	$\frac{x+10}{2} = 9$ or $x = 8$		4	M1	(indep)
	$\frac{4+7+x+10+y+y}{6} = 11 \text{ oe or}$ '66'-4-7-10 (= 45)			M1	where <i>x</i> may be a number $7 < x < 10$
	$(y =) (6 \times 11 - 4 - 7 - 10 - `8') \div 2$			M1	ft their median provided $7 \le x \le 10$ for a fully correct method
		x = 8 and y = 18.5 oe		A1	1
					Total 4 marks

7	а		$50 < L \le 60$	1	B1	oe eg 50 - 60
	Ъ	25 × 6 + 35 × 26 + 45 × 31 + 55 × 40 + 65 × 17 (150 + 910 + 1395 + 2200 + 1105)(= 5760)			M2	For correct products using midpoints (allow one error) with intention to add. M1 for products using frequency and a consistent value within the range (allow one error) with intention to add or correct products using midpoints (allow one error) without addition
		"5760" ÷ "120"			M1	dep on M1
			48	4	A1	
						Total 5 marks

8	$28 \times 5 (= 140)$ <b>OR</b> $26.5 \times 2 (= 53)$			M1 or 87
	$(28 \times 5 - 26.5 \times 2) \div (5 - 2)$			M1 for a complete method
		29	3	Al
				Total 3 marks

9	a		23	1	B1	accept 22 – 24
	b	e.g. 29 – 17			M1	For subtracting readings from 15 and 45
		-				
			12	2	A1	accept 10 - 14
						*
	с				B1	ft comparison of the medians
			Two comparisons (at	2	B1	ft comparison of the IQR
			least one of which			Note: to award 2 marks at least one
			must be in context)			comparison must be in context
						Total 5 marks

10	5, 7, 11, 12, 13, 14, 15, 16, 17, 18, 18		3	M1	Ordering marks (allow 1 error)
	11 and 17 selected			M1	LQ = 11 and UQ =17 identified
		6		A1	
					Total 3 marks

11	(a)		$3 < w \leq 4$	1	B1
11	(a) (b)	$(12 \times 2.5) + (16 \times 3.5) + (9 \times 4.5) + (2 \times 5.5) + (1 \times 6.5)$ or 30 + 56 + 40.5 + 11 + 6.5 (= 144)	<u>3 &lt; w ≤ 4</u>	4	M2 for at least <b>4</b> correct products added (need not be evaluated) <b>or</b> If not M2 then award M1 for consistent use of value within interval (including end points) for at least <b>4</b> products which must be added <b>or</b>
		$[(12 \times 2.5) + (16 \times 3.5) + (9 \times 4.5) + (2 \times 5.5) + (1 \times 6.5)] \div 40$ or '144' ÷ 40			correct midpoints used for at least <b>4</b> products and not added M1 (dep on at least M1) Allow division by their $\Sigma f$ provided addition or total under column seen
			3.6		A1 oe
	(c)	$\frac{2}{40} + \frac{1}{40}$		2	M1 for $\frac{a}{40}$ where $0 < a < 40$ or $\frac{3}{b}$ where $b > 3$ where $a$ and $b$ are integers
			$\frac{3}{40}$		A1 0.075 oe
		•			Total 7 marks

12	16 - 9		2 M1	9 and 16 clearly identified either in list or stated. Some may have also identified the second 13 which we will allow as working so long as not intended as the LQ or UQ
	Working required	7	A1	Dep on M1
				Total 2 marks

13	(a)			2	M1	for at least 4 points plotted correctly at end of interval or
						for all points plotted consistently within each interval of
						the associated frequency table (eg at 2.5, 7.5, 12.5, 17.5,
						22.5, 27.5 or 0, 5, 10, 15, 20, 25) at the correct height
		(NB: a 'bar chart' type graph scores zero	correct		A1	All points plotted correctly at end of interval (tolerance 1
		marks)	cf			small square) and joined with a curve or line segments
	(h)	If answer is in the given range, then award the	graph 10.5 to	1	B1ft	accept curve that is not joined at $(0, 0)$ .
	(b)	mark – unless from obvious incorrect working	10.5 10	1	ып	accept answer in range $10.5 - 12$ or ft <i>their</i> cumulative frequency graph (must be an ascending graph) (allow 1
		mark – unless nom obvious incorrect working	12			small square tolerance)
	(c)	NB: readings are $5.5 - 7$ and $15.5 - 17$ (but for		2	M1ft	For correct use of LQ and UQ, ft from a cum freq graph
		this M1 these do not have to be correct if				provided method is shown - eg a line horizontally to the
		correct working is shown - eg lines or marks				graph from readings of CF 20 and CF 60 to meet the
		indicating use of CF 20 (or 20.25)and CF 60				graph and then a vertical line to the Distance axis(even if
		(or 60.75) with an indication on the Distance				wrongly read scale) or clear marks on the graph and
		axis at the correct points (or they can just show				Distance axis that correspond to the correct readings or
		the correct readings))	0.5.		110	correct values from the Distance axis
		If answer is in the given range, then award the	8.5 to		Alft	Accept a single value in range 8.5 to 11.5 or ft from their
	(1)	marks – unless from obvious incorrect working	11.5	-	DI	cumulative frequency graph provided method is shown
	(d)	<b>not in context</b> : office <i>B</i> workers have a higher median than office <i>A</i> workers oe		2	B1	ft comparison of medians e.g. Office <i>B</i> workers travel
						further [but if they have a wrong median then correct comparison of this with the 15 km]
		<b>in context</b> : office <i>B</i> workers [tend to] travel further oe				(Must compare to median in (b))
		<b>not in context</b> : the IQR for office A workers is			B1	ft comparison of IQR eg Office A distances are more
		bigger than the IQR for office <i>B</i> workers oe			DI	spread (must compare to IQR in (c))
		<b>in context</b> : The distances for the office A				NB: To award both marks at least one comparison
		workers are more spread out/more varied oe				must be in context
		workers are more spread outmore varied be				Total 7 marks

14	<i>a</i> = 7		4	B1	
	$\frac{b + \text{their } a}{2} = 8.5 \text{ oe or } b = 10$			M1	ft their value of <i>a</i> <b>or</b> for setting up an equation for <i>b</i> <b>or</b> $b = 10$
	$\frac{\text{their } a + \text{their } a + \text{their } b + c}{4} = 9 \text{ oe or}$ $(c =) 9 \times 4 - (2 \times \text{their } a + \text{their } b) \text{ oe}$			M1	for a calculation involving <i>c</i> using their values <b>or</b> for a calculation leading to <i>c</i> using their values
		7, 10, 12		A1	
					Total 4 marks

15	E.g. $28 \div 2 (= 14)$ or $1 \text{ cm}^2 = 2$ students		5	M1	for method to find the frequency
					density for the first bar or any
					correct value on the fd axis or can
					be implied by a correct frequency
					(30 or 24 or 36)
	$2 \times 20 (= 40)$			M1	for method to find the missing
	$1 \times 30 (= 30)$				frequencies (at least 3 correct)
	$1 \times 24 (= 24)$				
	$3 \times 12 (= 36)$				
	or				
	40, 30, 24, 36				
	$1 \times 28 + 3 \times 40' + 4.5 \times 30' + 5.5 \times 24' + 7.5 \times 36' (= 685)$ or			M1	(indep ft) for a method to find the
					total (mid value × frequency) for
	28 + 120 + 135 + 132 + 270 (= 685)				at least 4 products using their
					values in the table (need not be
					evaluated)
					Allow consistent use of end points
					for at least 4 products which must
					be added
	$(685' \div (28 + (40' + (30' + (24' + (36')))))) = 4.335)$ or			M1	(dep on previous M1)
	'685' ÷ 158 (= 4.335)				
		4.34		A1	accept 4.33 - 4.34
					Total 5 marks

16	$(11 \times 3) + (8 \times 5) + (6 \times 7) + (5 \times 9) (= 160)$ (= 33 + 40 + 42 + 45 = 160)		4	M1	Correct numerical products using midpoints (allowing one error) with intention to add.
	" $160$ " + x = 4.25 × (11 + 8 + 6 + 5 + x) oe or " $160$ " + x " $30$ " + x = 4.25			M1	May be seen in table. dep M1 for correct equation ft <i>their</i> 160.
	or "160" + $x = 4.25 \times$ "30" + $4.25x$ "160" - "127.5" = $4.25x - x$ or $32.5 = 3.25x$		_	M1	Isolating <i>x</i> and number terms
		10	-	A1	dep 1st M1
					Total 4 marks
Alternativ	ve Mark Scheme for question 16				
16	$(11 \times 3) + (8 \times 5) + (6 \times 7) + (5 \times 9)$ (= 33 + 40 + 42 + 45 =160)		4	M1	Correct numerical products using midpoints (allowing one error) with intention to add. May be seen in table.
	4.25y = "160" + [y - (11 + 8 + 6 + 5)]  oe 4.25y = "160" + y - 30			M1	dep M1 for correct equation ft <i>their</i> 160, where <i>y</i> = total number of pupils
	$\begin{array}{l} 4.25y - y = ``160'' - 30\\ \text{or } 3.25y = 130\\ \text{or } y = 40 \end{array}$			M1	Isolating y and number terms or $y = 40$
		10	-	A1	dop 1st M1
		10			dep 1st M1

17	(a)		$70 < s \le 80$	1	B1	
	(b)	$10 \times 45 + 16 \times 55 + 19 \times 65 + 23 \times 75 + 12 \times 85$		4	M2	$f \times d$ for at least 4 products with correct mid-interval values and intention to add.
		or 450 + 880 + 1235 + 1725 + 1020 (= 5310)				If not M2 then award M1
						for <i>d</i> used consistently for at least 4 products within interval (including end points) and intention to add
						or
						for at least 4 correct products with correct mid-interval values with no intention to add
		"5310"÷80			M1	dep on at least M1 allow division
						by their $\sum f$ provided addition or
						total under column seen
			66.4		A1	accept 66.37 - 66.4
						Total 5 marks

18	3, 7, 8, 8 and one of 4 or 5 or 6	3	B3	For a list of 5 correct numbers (B2 for a list of 5 numbers with 2 of: median of 7, mode of 8, range of 5 B1 for a list of 5 or 6 numbers with 1 of: median of 7, mode of 8, range of 5)
				Total 3 marks

19	5	× 398 (= 1990) or 6 × 401 (= 2406)		3	M1	Correct total for 5 or for 6 cocoa pods
	"2	2406" – "1990"			M1	(M2 for $398 + 6 \times 3$ or $401 + 5 \times 3$ )
			416		Al	
						Total 3 marks

20	13 – 4		2	M1 For selecting 4 and 13
		9		Al
				Total 2 marks

21	$5 \times 12 (= 60) \text{ or } \frac{15 + 7 - 2 + 23 + x}{5} = 12 \text{ oe or}$ $\frac{x + "43"}{5} = 12$ $x + 15 + 7 - 2 + 23 = "60" \text{ or } x + "43" = "60"$		3	Ml	for a method to find the total of the 5 numbers or setting up an equation in x "43" comes from $15 + 7 - 2 + 23$
	$\mathbf{x} + 15 + 7 - 2 + 25 = 00  \text{or } \mathbf{x} + 45 = 00$ $\mathbf{or} "60" - (15 + 7 - 2 + 23)$			M1	for forming an equation with their 60 or for a complete calculation to find the value of $x$ "43" comes from $15 + 7 - 2 + 23$
		17		A1	
					Total 3 marks

22	12 (-) 3		2	M1	for both values unambiguously identified
		9	]	A1	
					Total 2 marks

23	eg $\frac{158+C}{2}$ = 160 or (C =) 160 + (160 - 158) (= 162) oe or C = 162		3	M1	for method to find Candela's height or Candela's height or Candela's height in the wrong place on the answer line
	eg ( <i>D</i> =) 175 – 21 (= 154) oe			M1	indep for method to find Diana's height or Diana's height or Diana's height in the wrong place on the answer line
		Candela 162 Diana 154		A1	Correctly attributed If no marks awarded, SCB1 for Candela's height 179 <b>Total 3 marks</b>

24			2	<b>M</b> (1	for 1 0
24			3	M1	for $d = 9$
					or
					$(c+d) \div 2 = 8$ (algebraically or clearly labelled
					integers)
					or
					d - a = 4 (algebraically or clearly labelled integers)
				M1	for at least two of
					a=5 or $c=7$ or $d=9$
					or
					$(c+d) \div 2 = 8$ (algebraically or clearly labelled
					integers)
					0"
					or $d - a = 4$ (algebraically or clearly labelled
					integers)
					integers)
				A1	All correct
		a = 5, b = 6,		AI	All collect
		c = 7, d = 9			
					Total 3 marks

25			4	B1 for 80
	for $\frac{a+75}{2} = 74$ oe or 73			M1 for setting up an equation using the median <b>or</b> for 73
	for 80 – 16 (= 64) oe			M1 for using the range correctly or for 64
		64, 73, 80		A1 answers can be in any order
				Total 4 marks

26	$7200 \times 0.025 (= 180)$		3	M1	M2 for
	or 7200 × 1.025 (= 7380) oe				$7200 \times (1.025)^3$
	or 7200 × 1.075 (= 7740) oe				
	or $7200 \times 0.075 \ (= 540)$ oe				
	(7200 + '180') × 0.025 (= 184.5)			M1 NB year end	1
	and			values are	
	$(7200 + `180' + `184.5') \times 0.025 (= 189.1125)$			7380 and	
	and			7564.5(0)	
	7200 + '180' + '184.5' + '189.1' (= 7753.6125)			7753.6125	
		7754		A1 answer in range	7753 – 7754
					Total 3 marks

27	(a)		(5), 8, 8, 20, x, (24)	3	B3 (B2	for (5), 8, 8, 20, $x$ , (24) where $x = 21$ or 22 or 23 for (5), 8, 8, 20, $x$ , (24) where $x$ is blank or <b>any</b> value other than 21, 22 or 23)
					(B1	for a list with a median of 14 or a mode of 8 or the 3 <sup>rd</sup> and 4 <sup>th</sup> cards having a sum of 28 (ignoring other cards))
	(b)	eg $5 \times 21$ (= 105) or $6 \times 23$ (= 138)		3	M1	-
		$eg 6 \times 23 - 5 \times 21$		1	M1	
			33		A1	
						Total 6 marks

28	$(0 \times 13) + 1 \times 17 + 2 \times 8 + 3x + 4 \times 11$ or (0 +) 17 + 16 + 3x + 44 (= 77 + 3x)		M1	at least <b>3</b> correct products with intention to add. eg award for 77 seen as this is sum of 3 products
	(13+17+8+x+11) oe eg 49 + x or $98+2x$		M1	Sum for total frequency or (frequency $\times$ 2)
	$\frac{"77 + 3x"}{"49 + x"} = 2 \text{ oe e.g. } "77 + 3x" = 2("49 + x")$		M1	for use of mean in valid equation (ft their values for sum of products and their total frequency if M2 awarded previously)
		21	A1	
				Total 4 marks

29	5 5 7 8 10 12 13 14 16 21 23		3	M1	For ordering the numbers Allow one error or omission in the list.
	16 & 7 identified for LQ and UQ			M1	For identifying 16 and 7 – may also have identified the median (12)
		9		A1	
					Total 3 marks

(b) $(33 \times 4) + (39 \times 14) + (45 \times 18) + (51 \times 19) + (57 \times 5)$ or $132 + 546 + 810 + 969 + 285 (= 2742)$ [lower bound products are: 120, 504, 756, 912, 270]	4	M2	M2 for at least <b>4</b> correct products added (need not be evaluated) <b>or</b>
[upper bound products are: 144, 588, 864, 1026, 300]			If not M2 then award: M1 for consistent use of value within interval (including end
			points) for at least <b>4</b> products which must be added
			or
			correct midpoints used for at least <b>4</b> products and not added
$\frac{"2742"}{60}$		M1	dep on M1 Allow division by their $\Sigma f$ provided addition or total under column seen
Correct answer scores full marks (unless from obvious 45.7 incorrect working)		Aloe	$45\frac{7}{10}$ or $\frac{457}{10}$
			(accept 46 from correct working) Total 5 marks

31	(x =) 3	3	B1	
	(y =) 6		B1	
	(z =) 10		B1	
				Total 3 marks

32	55 × 32 (= 1760) or 52 × 28 (= 1456) or 55 × 32 + 52 × 28 (= 3216)		3	M1	for one correct product or method to find the total mark for both classes
	eg $\frac{"1760"+"1456"}{32+28}$ or $\frac{3216}{60}$			M1	for a complete method
	Correct answer scores full marks (unless from obvious incorrect working)	53.6	1	Al	
					Total 3 marks

33	(a)	11 - 2		2	M1	2 and 11 clearly identified either in list or stated
	•	Working required	9		A1	dep on M1
	(b) (i)		Kim as she has a	1	B1	oe, ft their median if value given
			higher median			Acceptable examples
						Kim as she has a higher median
						Kim as/because her median is 11 and/but/whereas Rutger's is
						Kim's median is 3 more (than Rutger's)
						Kim as Rutger's median is 3 less
						Not acceptable examples
						Kim's median is 11 and Rutger's is 8
						Kim as she has a higher median and a lower IQR
	(ii)		Kim as she has a	1	B1	oe, ft their part (a)
			smaller IQR			Acceptable examples
						Kim as she has a smaller IQR
						Kim as/because her IQR is 5 and/but/whereas Rutger's is 9
						Kim's IQR is 4 less (than Rutger's)
						Kim as Rutger's IQR is 4 more
						Not acceptable examples
						Kim's IQR is 5 and Rutger's is 9
						Kim as she has a higher median and a lower IQR
						Total 4 mai

34	$6 \times 11 + 18 \times 25 + 30 \times 23 + 42 \times 15 + 54 \times 6$		4	M2 for at least 4 correct products added
	(= 2160)			(need not be evaluated) or
	or			If not M2 then award:
	66 + 450 + 690 + 630 + 324 (= 2160)			M1 for consistent use of value within
				interval (including end points) for at least
	[lower bound products are: 0, 300, 552, 540, 288]			4 products which must be added
	[upper bound products are: 132, 600, 828, 720, 360]			· products which must be daded
	[upper could products are: 152, 000, 020, 720, 500]			or
				correct midpoints used for at least 4
				products and not added
				products and not added
	"2160" ÷ "80"			M1 dep on at least M1
	2100 · 80			wit dep on at least wit
				Allow division by their $\Sigma f$ provided
·				addition or total under column seen
	Correct answer scores full marks (unless from	27		Al
	obvious incorrect working)			
				Total 4 marks

35		3	M1	4 and 34 clearly indicated – either in list or in
35		5	IVI I	2
				working (condone 26 also indicated in list)
			A1	For IQR for team $A = 34 - 4 (= 30)$
	The IQR for Team B was		B1ft	Must ft dep on IQR stated for team A
	higher than the IQR for			Either comparing the IQR correctly or for giving
	Team A oe			a comparison in context about spread as long as
	or			not contradicted by further statements as this
	Team <b>B</b> had an interquartile			would be choice
	range of "12" more than			
	team A			NOT
	or			Team <b>B</b> scored more runs than team <b>A</b>
	The runs scored were more			
	spread out for Team <b>B</b> than			The average score of <b>B</b> is higher than the
	for Team A oe			average score of A
	or			
	The runs for Team A were			The IQR of <b>A</b> was 30 while the IQR of <b>B</b> was
	more consistent oe			42
	more consistent oc			
				The range of <b>B</b> was more than the range of <b>A</b>
				Total 3 marks

36	$104 \times 5 (= 520)$ or $127 \times 7 (= 889)$ or		3	M1
	$\frac{\text{m+tu+w+th+f}}{5} = 104 \text{ oe}$			
	"889" – "520" – 132 or "369" – 132 or			M1 ( $x =$ Sunday)
	$\frac{"520"+132+x}{7} = 127 \text{ oe or } \frac{132+x}{2} = \frac{369}{2} \text{ oe}$			
	$652 + x = 127 \times 7$			
	Correct answer scores full marks (unless from obvious incorrect working)	237		Al
				Total 3 marks

37	(a)	20 20 22 23 25 26 26 27 28 29 29		3	M1 for ordering the numbers Allow one omission or error in the list
		22 and 28 identified for LQ and UQ eg 20 20 <u>22</u> 23 25 26 26 27 <u>28</u> 29 29			M1 for identifying 22 and 28 (22 and 28 implies the first M1)
		Correct answer scores full marks (unless from obvious incorrect working)	6		Al
	(b)		<u>Akari</u> and reason using IQR	1	B1 ft from part (a) Akari as the IQR is lower/smaller oe (IQR must be part of the statement) Must have a value in (a) to compare the IQRs
					Total 4 marks

38	Correctly identifying 15 and 25		2	M1	could be clearly shown in list (condone 19 also being indicated)
	Correct answer scores full marks (unless from obvious incorrect working)	10		A1	
					Total 2 marks

9	$17 \times 11 \ (= 187) \text{ or } 18.5 \times 12 \ (= 222) \text{ or } 18 \times 9 \ (= 162) \text{ or }$		4	M1	Expression for total of	M2 for	
	$18.5 \times 10 \ (= 185)$				A or B either including	$1.5 \times 11 + 18.5 (= 35)$ or	
					or excluding last round	$9 \times 0.5 + 18.5 (= 23)$	
	$18.5 \times 12 - 17 \times 11$ ("222" - "187")(= 35) or			M1	expression for number	OR	
	$18.5 \times 10 - 18 \times 9$ ("185" - "162")(= 23) or				of points gained by A	1.5 × 11 (= 16.5) or	
					or <b>B</b> in the last round	$0.5 \times 9 (= 4.5)$	
	187''+x 18.5 ( 25) are				or		
	$\frac{"187"+x}{12} = 18.5  (x = 35) \text{ or}$				for an equation that		
	"162"+v				could lead to the		
	$\frac{"162"+y}{10} = 18.5 \ (y = 23) \text{ or}$				number of points		
	Diff between <b>A</b> and <b>B</b> in first rounds " $187$ " – " $162$ " (= 25) or				gained by <b>A</b> or <b>B</b> in the		
	$D \Pi O C W C \Pi \Lambda C \Pi G \Pi \Pi \Pi S TO U I G S TO T I O Z (25) O I$				last round		
	Diff between A and B after further round "222" – "185" (= 37)						
	$[or 2 \times 18.5 (= 37) (2 must come from correct working)]$						
	[						
	"35" – "23" or		1	M1	calculation for difference between number of		
	"37" – "25" or				points scored in last round		
	"16.5" – "4.5"				1		
	Correct answer scores full marks (unless from obvious incorrect working)	12	1	A1			
	~					Total 4 marks	
The 2 is 2 further rounds of 18.5 is 37 comes from $18.5 \times 12 - 18.5 \times 10$ so the $2 \times 18.5$ is $(12 - 10) \times 18.5$							