Question	Answer	Mark	Comments
1	**Alternative method 1**		
	–2 used for value of x	M1	
	–2 used for value of x and 13 used for value of y	M1dep	
	15	A1	
	Alternative method 2		
	–2 used for x value	M1	
	$11 - 2 \times -2$	M1dep	oe
	15	A1	
	Additional Guidance		
	Answer only of 13		M0M0A0
	Answer only of –2		M0M0A0
	13 used for value of $y - x$ does not score 2nd M1		

Question	Answer	Mark	Comments
2(a)	$5x - 3x$ or $2x$ or $3x - 5x$ or $-2x$ or $15 - 6$ or 9 or $6 - 15$ or -9	M1	may be seen as an annotation to the given inequality eg -6 written under $+15$
	$2x > 9$ or $-9 > -2x$ or 4.5 or $\frac{9}{2}$ or $4\frac{1}{2}$	A1	implied by correct answer
	$x > 4.5$ or $x > \frac{9}{2}$ or $x > 4\frac{1}{2}$	A1ft	ft solution of inequality of the form $2x > k$ where k is a number or $m > -2x$ where m is a number or $ax > 9$ where a is an integer not equal to 1 or $-9 > bx$ where b is an integer not equal to 1

Additional Guidance	
In all cases accept the inequality written correctly in reverse order For example, for $2x > 9$ accept $9 < 2x$	
$4.5 < x$	M1A1A1
$2x > 21$, $x > 10.5$	M1A0A1ft
$8x > 9$, $x > 1.125$	M1A0A1ft
Do not allow a correct answer in working followed by an incorrect answer on the answer line eg $x > \frac{9}{2}$ in working with 4.5 on the answer line	M1A1A0
Do not allow the correct answer with another answer eg $x > 4.5$ and $x = 4.5$ on the answer line	M1A1A0

Question	Answer	Mark	Comments
2(b)	$2 \leqslant x < 5$ or $5 > x \geqslant 2$	B2	any letter B1 $2 \leqslant x$ or $x \geqslant 2$ or $x < 5$ or $5 > x$ SC1 $2 < x \leqslant 5$ or $5 \geqslant x > 2$

Additional Guidance	
$2 \leqslant x$ and $x < 5$	B1
$2 \leqslant x$ and $x > 5$	B1
$2 \leqslant x > 5$	B1
$2 \leqslant x \leqslant 5$	B1
$2 \leqslant x \leqslant 4$	B1
$2 < x < 5$	B1
$2 \geqslant x > 5$	B0
$2 \leqslant 5$	B0

Q	Answer	Mark	Comments
3	$-\frac{7}{2}$	B1	

Q	Answer	Mark	Comment
4	$-5 < x \leqslant 1$	B1	

Q	Answer	Mark	Comments
5	$x < 13$ or $13 > x$	B1	

Additional Guidance	
$x = 13$ in working with $x < 13$ on answer line	B1
$x < 13$ and $(x =)$ 13 on answer line	B0
$x < 13$ in working with $x = 13$ or 13 on answer line	B0
Ignore number lines drawn	

Q	Answer	Mark	Comments
6(a)	$1 \leqslant a < 10$	B1	allow 1.0 etc
	Additional Guidance		
	Accept $9.\dot{9}$ for 10		

Q	Answer	Mark	Comments
7	290	B1	

Q	Answer	Mark	Comments
8	$\frac{12}{4} \leqslant x$ or $3 \leqslant x$ or $x < \frac{25}{4}$ or $x < 6.25$ or $x \leqslant 6$ or $x < 7$	M1	oe fully correct inequality is $\frac{12}{4} \leqslant x < \frac{25}{4}$ or $3 \leqslant x < 6.25$
	3 4 5 6 with no extras	A1	any order SC1 3 4 5 6 with one extra or any three of 3 4 5 6 with no extras or 12 16 20 24
	Additional Guidance		
	Ignore incorrect evaluations of 25 ÷ 4 if correct answer is given eg $3 \leqslant x < 6.5$ and answer 3 4 5 6		M1A1
	3 × 4 and 4 × 4 and 5 × 4 and 6 × 4 identified as only correct multiplications with no answer given implies M1		M1A0

Q	Answer	Mark	Comment
9	$15 < y < 150$	B1	

Q	Answer	Mark	Comments
10a	Line joining open circles above, on or below –2 and 4	B1	condone arrows on a correct line with open circles
	Additional Guidance		
	Mark intention		
	If the student has drawn the circles on the line, they must have drawn their own line connecting the circles		
	Closed circle(s)		B0

Q	Answer	Mark	Comments
10b	$5y \geqslant 11 - 14$ or $5y \geqslant -3$ or $14 - 11 \geqslant -5y$ or $3 \geqslant -5y$ or $y + \frac{14}{5} \geqslant \frac{11}{5}$ or $-\frac{3}{5}$	M1	oe fractions or decimals may be seen in an equation or inequality
	$y \geqslant -\frac{3}{5}$ or $-\frac{3}{5} \leqslant y$	A1	oe fraction or decimal for $-\frac{3}{5}$
	Additional Guidance		
	Allow use of other inequality signs or = if recovered		
	Accept any letter for y		
	Condone $\frac{-3}{5}$ or $\frac{3}{-5}$ for $-\frac{3}{5}$		
	Ignore any attempt to convert $-\frac{3}{5}$ to a decimal		
	$y \geqslant -\frac{3}{5}$ in working and $-\frac{3}{5}$ on answer line		M1A0