Question	Answer	Mark	Comments
1(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
1(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
2(a)	20 or 19 and no incorrect evaluations and 3rd box indicated	B2	oe eg 30 and 29 and no incorrect evaluations and 3rd box indicated B1 20 or 19 or incorrect values seen and correct box indicated for their values SC1 3rd box indicated but no evaluations seen
	Additional Guidance		
	14 and 39 and 1st box indicated		B1
	Ignore any incorrect statements such as $20 < 19$ if the correct box is ticked as they may be checking each statement		

Q	Answer	Mark	Comments
3(a)	$x \geqslant 7$	B1	

Q	Answer	Mark	Comments
4	–3, –2, –1, 0, 1	B2	any order B1 four correct and none incorrect or five correct and one incorrect
	Additional Guidance		
	–2, –1, 0, 1	B1	
	–3, –2, –1, 0, 1, 2	B1	
	–3, –2, –1, 1	B1	
	–2, –1, 0, 1, 2	B0	

Q	Answer	Mark	Comments
5(a)	Pair of numbers satisfying all criteria	B2	B1 pair of numbers satisfying two criteria eg $c = 20$ $d = 14$ or $c = 7$ $d = 0$
	Additional Guidance		
	c and d can be decimals eg $c = 8.6$ $d = 2.6$		B2
	Correct integer values for B2 $c = 9$ $d = 3$ $c = 8$ $d = 2$ $c = 7$ $d = 1$ $c = 6$ $d = 0$ $c = 5$ $d = -1$		
	Examples of correct integer values for B1 $c = 10$ $d = 4$ $c = 4$ $d = -2$		

Q	Answer	Mark	Comments
5(b)	Pair of numbers satisfying all criteria	B2	eg $w = 1.9$ $x = 0.7$ B1 pair of numbers satisfying two criteria eg $w = 1.6$ $x = 1$ or $w = 2.4$ $x = 0.2$ or $w = 1.4$ $x = 0.9$ SC1 pair of numbers with a sum of 2.6 satisfying neither inequality
	Additional Guidance		
	$w = 0.7$ $x = 1.9$		SC1

Q	Answer	Mark	Comments
6	$\frac{12}{4} \leqslant x$ 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	Comments
7	$n \leqslant 2$	B1	

Q	Answer	Mark	Comments
8a	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
8b	$5y \geqslant 11 - 14$ 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