

Q1 June 2018

11	(a)	17	B1	cao
	(b)	12	B1	cao
	(c)	5.5	B1	Accept $\frac{11}{2}$, $5\frac{1}{2}$ oe

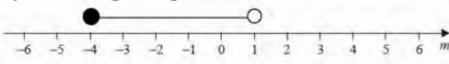
Q2 June 2019

20	(a)	$n > 2$	M1	for a method to isolate terms in n in any inequality or equation eg. $14n - 11n > 6$ or $n = 2$	Ignore incorrect inequality sign and accept “=” sign
			A1	cao	
	(b)		M1	for $-2 - 3 < x \leq 4 - 3$ ($-5 < x \leq 1$)	A circle around -5 and 1 implies M1
			M1	for drawing a line from -5 to 1 or (indep) for an open circle at either -2 or -5 or (indep) for a closed circle at 4 or 1	A line from -5 to 1 implies M2 if no working shown
			A1	cao	

Q3 June 2020

10	(a)	12	B1	cao
	(b)	4	B1	cao

Q4 June 2023

23	(a)	4	B1	cao	
	(b)	correct diagram	C2	for a fully correct diagram, eg 	Condone arrow heads or line ending to denote the 'end' of the line
			(C1	for drawing a line from -4 to 1 or (indep) for an open circle at 1 or (indep) for a closed circle at -4)	
	(c)	$g < 25$	M1	for a correct first step, eg adding 4 to both sides, eg $\frac{2}{5}g < 6 + 4$ or multiplying throughout by 5, eg $2g - 4 \times 5 < 6 \times 5$ or dividing throughout by 2, eg $\frac{1}{5}g - 4 \div 2 < 6 \div 2$	Allow use of any inequality or as an equation for both method marks $\frac{2}{5}g < 10$ $2g - 20 < 30$ $\frac{g}{5} - 2 < 3$
			M1	for a correct second step, eg $2g < "10" \times 5$ or $\frac{1}{5}g < "10" \div 2$ or $2g < "30" + "20"$ or $g - "20" \div 2 < "30" \div 2$ or $\frac{g}{5} < "3" + "2"$ or $g - "2" \times 5 < "3" \times 5$ or showing 25 as the critical value	$2g < 50$ $\frac{g}{5} < 5$ $g - 10 < 15$
			A1	for $g < 25$ oe	Can be written as $g = 25$

Q5 Nov 2017

16		$1\frac{1}{2}$	M1	for correct expansion of the bracket or dividing all terms by 3 as a first step eg $3x - 3$ or $(5x - 6)/3 = 3(x - 1)/3$
			M1	for isolating terms in x on one side of an equation eg $5x - 6 - 3x = -3$ or both constants on one side of an equation, eg $5x = 3x - 3 + 6$, ft $5x - 6 = 3x - 1$
			A1	for $1\frac{1}{2}$ oe

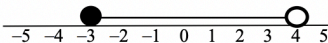
Q6 Nov 2018

19	(a)	8	M1	for a correct first step eg $3x - 12 = 12$ or $3(x - 4) \div 3 = 12 \div 3$
			A1	cao

Q7 Nov 2020

10	(a)	12	B1	cao
	(b)	4	B1	cao

Q8 Nov 2021

21	(a)	$x > -1$	B1	cao
	(b)	Diagram drawn	C2	for a fully correct diagram, eg 
			(C1	for drawing a line from -3 to 4 or (indep) for an open circle at 4 or (indep) for a closed circle at -3)
				Condoned arrow heads or line ending to denote the 'end' of the line

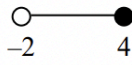
Q9 Nov 2022

(b)	7	M1	for correct method to expand, eg $5 \times 2m - 5 \times 6$, or divides both sides by 5 as a first step.
		M1	for correct method to isolate terms in m , eg $10m - 30 + 30 = 40 + 30$
		A1	cao

Q10 Nov 2023

25	11	M1	for one correct step to isolate x term or constant term on one side, eg adds x to both sides to get $5x - 14 + x = 52 - x + x$ or adds 14 to both sides to get $5x - 14 + 14 = 52 - x + 14$ oe	May be seen in different equivalent forms but must be carried out, not just intention seen. Can be implied by eg $4x = 66$ or $6x = 38$
		M1	for both correct steps to isolate terms in x on one side and constant term on one side, eg " $6x$ " - $14 + 14 = 52 + 14$, or $5x + x = "66" + x - x$	
		A1	cao	

Q11 Nov 2024

(b)		M1	for drawing a line from -2 to 4 or for an open circle at -2 or for a closed circle at 4
		A1	cao

