

Function Machines Mark Schemes

1(a)	$5 + 15 - 8$	[1] Attempt using the given operations
	12	[1] Final answer
1(b)	$29 + 8 - 15$	[1] Attempt using the given operations
	22	[1] Final answer
2(a)	$\frac{9 \times 8}{4}$	[1] Attempt using the given operations
	18	[1] Final answer
2(b)	$\frac{14 \times 4}{8}$	[1] Attempt using the given operations
	7	[1] Final answer
3(a)	$\frac{56}{7} + 9$	[1] Attempt using the given operations
	17	[1] Final answer
3(b)	$(10 - 9) \times 7$	[1] Attempt using the given operations
	7	[1] Final answer
4(a)	$\frac{48}{4} = 12$	[1] Working out attempt
	+6	[1] Final answer
4(b)	$\frac{26}{13} = 2$	[1] Working out attempt
	$\div 9$	[1] Final answer
4(c)	$80 + 10 = 90$	[1] Working out attempt
	$\times 30$	[1] Final answer
5(a)	$\times 2$ and $- 6$	[2] Any example of a combination that works
5(b)	$+2$ and $\div 3$	[2] Any example of a combination that works
5(c)	$a = 7b - 14$	[2] Any example of a combination that works
6(a)	$\times 3$ and $- 3$	[2] Any example of a combination that works
6(b)	$\div 3$ and $+ 4$	[2] Any example of a combination that works

Turn over ►

7(a)	$6x - 15 = 3x$ $3x = 15$	[2] Working out attempt
	$x = 5$	[1] Final answer
7(b)	$6x - 15 = 5x$	[2] Working out attempt
	$x = 15$	[1] Final answer

END