

1	(a)	Incorrect order of operation	C1	for identifying an incorrect order of operation, eg should be $12 - 8$ or "should multiply first"	Showing that $12 - 2 \times 4$ is 4 (and not 40) is insufficient for this mark; the explanation should focus on what Jenny has done wrong. Stating the correct calculation for the range ($8 - 1$) or stating the (correct) range as 7 is sufficient for this mark.
	(b)	Statement	C1	for stating that the range is the difference between the greatest and least values, or stating that he didn't put numbers in order	

2	(a)	22	B1	cao	Allow alternative correct statements, eg $[7 \times (2 + 3)] = 35$
	(b)	8	B1	cao	
	(c)	$7 \times (2 + 3) = 35$	B1	for correct placement of brackets	

3	Explanation	C1	<p>for explanation,</p> <p>Acceptable examples Answer should be 14 Should work out 3×4 first Alec should times first instead of adding Not used BIDMAS/BODMAS BIDMAS/BODMAS He has done it in the wrong order Alec needs to use brackets so $2 + (3 \times 4)$ Because you always do multiplication or division first</p> <p>Not acceptable examples Because the answer is wrong It is $2 + (3 \times 4) = 15$ It needs brackets Because working out should only be one sum</p>	
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