

Use knowledge of the correct order of operations to carry out calculations involving the four operations

B	O	D	M	A	S
brackets <i>2 (3 + 4)</i> <i>means the same as 2 × (3 + 4)</i>	order <i>(or other things e.g. – squares)</i>	division	multiplication	addition	subtraction

1 Use **BODMAS** to complete the following.

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|-------------------------------|--|
| a $76 - 3 \times 6 = \square$ | f $(6 + 27 \times 2) \div 10 = \square$ |
| b $(4 + 7) 9 = \square$ | g $14 \times 36 - \square = 475$ |
| c $18 \div 3 - 2 = \square$ | h $\square \times 63 \div 9 = 182$ |
| d $3 \times 9 + 14 = \square$ | i $(53 + 116 - 81) \div 11 = \square$ |
| e $16 + 12 - 17 = \square$ | j $(272 - 64 \times 3) \div 8 + 1 = \square$ |

2 Give the correct answer and explain the error made.

EXAMPLE

$$48 + 12 \div 2 = \boxed{30} \times \boxed{54} \checkmark$$

The addition, rather than division, was calculated first.

a $70 + 60 \times 2 = \boxed{260} \times \square \checkmark$

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b $(31 + 163 - 72)6 + 2 = \boxed{976} \times \square \checkmark$

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