

Review: order of operations

Grouping
Exponents
Mult./div.
Sub./add.

eg $100 - 2 \times \underline{3^2} + 1$

$$= 100 - \underline{2 \times 9} + 1$$

$$= \underline{100 - 18} + 1$$

$$= 82 + 1 = 83$$

OR $100 - 18 + 1 = 100 + (-18) + 1$
 $= 100 + (-17) = 83$

common mistake: $2 \times 3^2 = 6^2 = 36$

common mistake: $100 - 2 \times 9 = 98 \times 9$

common mistake: $100 - 18 + 1 = (100 - 19)$

Notation: Instead of 3×4 , we often write
 $3 \cdot 4$

Also, writing numbers next to each other implies mult.

eg $4(5) = 4 \cdot 5 = 20$

Review: integer operations