1. Evaluate $2+3 \times 4=$ ?

Answer: $\qquad$
Class discussion on everyone's answers


Mathematicians made an agreement that:
multiplication takes precedence over addition.
2. Considering the agreement, which word problem below describes the arithmetic sentence $2+3 \times 4$
A. You work for 3 hours babysitting and you normally get $€ 4 /$ hour. But this time the people tip you an extra $€ 2$. How much did you earn?
B. A gardener decides to plant trees around the edges of a square park. He decides to plant 3 willow trees and 2 cherry blossom trees on each edge of the park. How many trees does he plant?

$$
A \text { or } B \text { ? }
$$

$\qquad$

If we want to have addition done before multiplication we use brackets: $(2+3) \times 4$ we always simplify inside the brackets first
3. Put brackets on the following statements to make them true.
i. $7 \times 8+2=70$
iii. $6+3 \times 2+5=23$
ii. $\quad 2+3 \times 4+5=45$
iv. $3 \times 7+1+1=25$
4. Another operation to consider is powers. Match the numerical expressions with their corresponding area models by placing $A, B, C$ or $D$ into the box.
i. $\quad 3 \times 2=$ $\square$

$$
3^{2}=\square
$$

A

B

ii. $\quad 3^{2}+4^{2}=\square$
$3 \times 4^{2}=\square$
$(3 \times 4)^{2}=\square$
$(3+4)^{2}=\square$


Class discussion on where powers come in the order of operations and formalise

$A^{M^{B}}$| I |  |  |
| :--- | :--- | :--- |
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