Order of Operations

Name:

1. Evaluate $2 + 3 \times 4 = ?$	
Answer:Class discu	ussion 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 or B?	
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. $2 + 3 \times 4 + 5 = 45$ iv. $3 \times 7 + 1 + 1 = 25$	
 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. $3 \times 2 = $	A 3 B 3 3 2
$3^2 =$	
ii. $3^2 + 4^2 = $ $3 \times 4^2 = $	A 3 4 B 12 3 4 I I I I I I I I I I I I I I I I I I
$(3 \times 4)^2 =$	12
$(3+4)^2 =$	C 3 4 3 4
Class discussion on where powers come in the order of operations and formalise B I M D A S	