

Lesson 1-1 Properties of Operations

SWBAT: Understand and apply the properties of addition and multiplication. They will also begin to use and recognize math terms.

Using the properties:

There are no properties for _____.

The reason why we use these properties is to help with _____. If a problem is hard, you can change it using one of the above properties to an easier problem.

Ex: ① $32 + 28$
 $= 32 + 8 + 20$
 $= (32 + 8) + 20$
 $= 40 + 20$
 $= 60$

② $36 + 25 + 34$

③ $4 \times 8 \times 25$

④ $50 \times 7 \times 2$

Identify which property was used:

Determine if the Commutative Property, Associative Property or Identity Property of Addition and Multiplication were used

① $(3 + 7) + 5 = 3 + (7 + 5)$

② $4 \cdot 6 \cdot 25 = 4 \cdot 25 \cdot 6$

③ $(3 \cdot 4) \cdot 2 = (3 \cdot 2) \cdot 4$