**Slide 1 — Oct 23-10:07 AM**

The Commutative Property

$3 + 5 = 8$

The order of the addends is changed, but the sum is the same.

$5 + 3 = 8$

**Slide 2 — Oct 23-10:56 AM**

The order of the addends is changed, but the sum is the same.

The Commutative Property

(drag each item into an addition sentence to demonstrate the commutative property)

$+$   $=$          $+$   $=$

3  5
3  5
8  8

**Slide 3 — Oct 23-10:03 AM**

Press the dice to generate numbers. Use them as addends. Hit the arrow to see one way to write the addition sentence. Using the Commutative Property, write another addition sentence.

**Slide 4 — Oct 23-11:33 AM**

Touch and drag the colored cubes to demonstrate the Commutative Property.

$+$ $=$

**Slide 5 — Oct 23-10:30 AM**

The Associative Property

Grouping the addends differently does not change the sum. Sometimes we use parentheses.

$+$ $+$ $=$

$4 + 3 + 2 = 9$
$(4+3)+ 2 = 9$

$+$ $+$ $=$

$3 + 2 + 4 = 9$
$(3 + 2) + 4 = 9$

**Slide 6 — Oct 23-10:56 AM**

Grouping the addends differently does not change the sum. Sometimes we use parentheses.
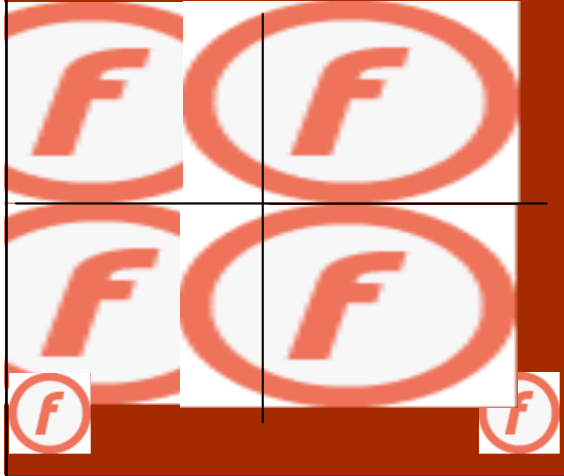
The Associative Property

(drag each item into an addition sentence to demonstrate the Associative Property)

$+$   $+$   $=$          $+$   $+$   $=$

2  3  4  9
2  3  4  9
(  (       )  )

Press the dice to generate numbers. Use them as addends. Hit the arrow to see one way to write the addition sentence. Using the Associative Property, write 2 other addition sentences.

Oct 23-10:03 AM

Touch and drag the colored cubes to demonstrate the Associative Property using 3 addends.

+ =

Oct 23-11:33 AM