

#### **Lesson 16: Add Three Numbers**

• Let's add 3 numbers.

# Warm-up: Number Talk: Related Expressions

Find the value of each expression mentally.

• 
$$7 + 10$$

• 
$$7 + 2 + 8$$

• 
$$10 + 9$$

$$\bullet$$
 4 + 9 + 6



### **16.1: Match Expressions**

Draw a line to match expressions with the same value.

expressions with 3 numbers

$$10 + \Box$$
 expression

1. 
$$4+6+8$$

$$10 + 1$$

2. 
$$3+6+7$$

$$10 + 2$$

3. 
$$9+1+1$$

$$10 + 3$$

4. 
$$8 + 4 + 2$$

$$10 + 4$$

5. 
$$5+5+9$$

$$10 + 5$$

6. 
$$7 + 3 + 3$$

$$10 + 6$$

7. 
$$5 + 10 + 5$$

$$10 + 7$$

8. 
$$4+7+6$$

$$10 + 8$$

9. 
$$9+5+1$$

$$10 + 9$$

10. 
$$1 + 10 + 1$$

$$10 + 10$$

If you have time: Write another expression with 3 numbers. 2 of the numbers should make 10.

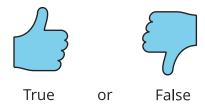
Ask your partner to think of the matching 10 + expression.



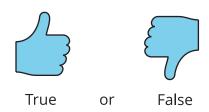
# **16.2: Is the Equation True?**

Determine whether each equation is true or false. Be ready to explain your reasoning in a way that others will understand.

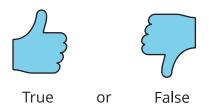
$$1.7 + 3 + 4 = 10 + 4$$



$$2.6 + 5 + 4 = 15 + 10$$

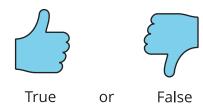


$$3.9 + 10 = 9 + 10 + 1$$

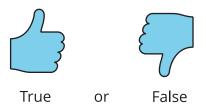




$$4.3 + 7 + 8 = 8 + 10$$



$$5.5 + 10 + 5 = 10 + 10$$



#### If you have time:

- 1. Make any false equations true.
- 2. Write 1 equation that is true and 1 that is false. Switch with your partner.



## 16.3: Write Expressions

Write a  $10 + \Box$  expression that has the same value as each expression.

$$1.5 + 7 + 5$$

$$2.3 + 7 + 6$$

$$3.1 + 9 + 9$$

$$4.4 + 8 + 6$$

$$5.8 + 10 + 2$$

If you have time, write as many expressions as you can with 3 numbers that are equal to  $10 \pm 5$ .