

Lesson 16: Add Three Numbers

- Let's add 3 numbers.

Warm-up: Number Talk: Related Expressions

Find the value of each expression mentally.

- $7 + 10$

- $7 + 2 + 8$

- $10 + 9$

- $4 + 9 + 6$

16.1: Match Expressions

Draw a line to match expressions with the same value.

expressions with 3 numbers

$10 + \square$ 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 $10 + \square$ 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. $7 + 3 + 4 = 10 + 4$



True

or



False

2. $6 + 5 + 4 = 15 + 10$



True

or



False

3. $9 + 10 = 9 + 10 + 1$



True

or



False

$$4. 3 + 7 + 8 = 8 + 10$$



True

or



False

$$5. 5 + 10 + 5 = 10 + 10$$



True

or



False

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 $10 + \square$ 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 $10 + 5$.