Read, Write & Evaluate Algebraic Expressions

- How would I read this algebraic expression?

$$x + 4$$

- How would I explain the parts that make up this algebraic expression?

Two basketball players are having a free throw competition.

- How could I use the expression $x + 4$ to compare or relate the number of baskets scored by each player?

- What would I be doing if I were to *evaluate* this expression?

$$x + 4$$

- How would I demonstrate evaluating this expression using the values $1, 8$ and 15?

- How would I describe the terms in this algebraic expression?
- How would I read this algebraic expression?
- How would I explain the order of the math being performed in this expression?

$$5n + 7$$

A classmate described the order of the math in this expression as… *adding* 7*, then multiplying by* 5*.*

- How would I explain to my classmate why adding 7, then multiplying by 5, is incorrect?

$$5n + 7$$

- How would I demonstrate evaluating this expression by replacing n with 4?
- How would I explain why changing the order of the terms will not change the value of the expression?

$$5n + 7$$
$$7 + 5n$$

- How would I read this algebraic expression?
- Can I think of any other way to write this algebraic expression?
- How would I demonstrate evaluating this expression by replacing x with 18?
- Using the previous examples, how would I describe an algebraic expression?

$$\frac{x}{2}$$

A self-moving and storage company rents household moving trucks. The rental cost of a truck is $95 per day plus an additional $8 per hour.

- How would I explain writing an algebraic expression to represent the rental costs?

A family rented a moving truck and kept it for 6 hours.

- How would I explain and demonstrate calculating the cost of renting the truck?

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Which statements do I feel confident explaining and demonstrating?
Which statements do I not feel confident explaining and demonstrating?