ALGEBRAIC REASONING

Algebraic Reasoning can help me... (check all that apply)

- ☐ Find a missing value
- ☐ Recognize a pattern
- ☐ Determine how quantities are related
- ☐ Use a rule to find an output
- ☐ Measure the length of an object

Which of these did you see in the video?

Use your Algebraic Reasoning skills to help TORO with the following!

TORO tosses 15 t-shirts during each break of the Texans game. Analyze the table and determine which rule describes the relationship between the number of breaks and the number of t-shirts tossed.

TORO'S T-SHIRT TOSS

NUMBER OF BREAKS	T-SHIRTS TOSSED
1	15
2	30
3	45
4	60



A. + 14
B. + 15
C. × 15
D. × 14

The input in TORO's T-Shirt Toss is _____

The output in TORO's T-Shirt Toss is _____

ALGEBRAIC REASONING

If the Texans start each play on the 20-yard line, what would be the ball's position after gaining each number of yards? Complete the table to show the ball's new position on the field after gaining each number of yards.

TORO MOVING DOWN THE FIELD: TEXANS BALL POSITION'S T-SHIRT TOSS

YARDS GAINED	FOOTBALL POSITION
1	
2	22
3	
4	24
5	25
6	
7	
8	
9	29
10	

Good job completing the table! Now, complete the sentence to describe the relationship between the yards gained and the football position.

The football's position equals the number of yards gained _____ 20 yards.

Review how Algebraic Reasoning can help you from the top of this worksheet. What are two ways you used Algebraic Reasoning to solve problems today?