



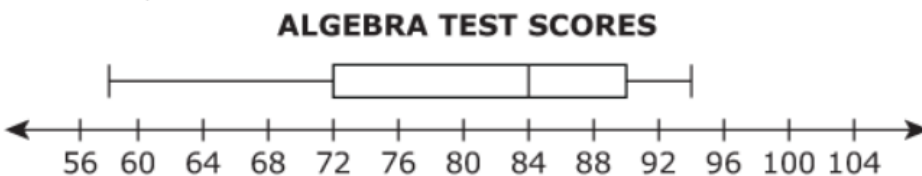
**SAMPLES OF STANDARDS STUDENTS ARE LEARNING THIS NINE WEEKS:**

**8<sup>th</sup> Grade Comp Math**

**STANDARDS: S-ID.1, S-ID.2, S-ID.3, S-ID.5, S-ID.8, S-ID.9**

**S-ID.1**

Mrs. Garcia decides to organize her students' algebra test scores into a box plot to analyze the results, as shown below.



What is the median score of the class?

- 76
- 80
- 82
- 84

**S-ID.2**

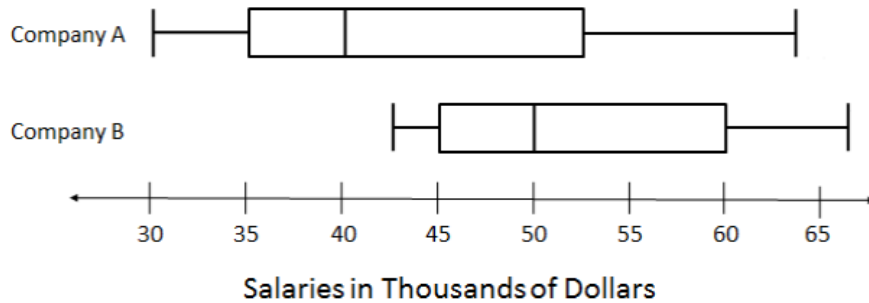
How will the standard deviation of the data set below change if each number is increased by 3?

{3, 8, 12, 17, 25}

- It will increase by 3.
- It will remain the same.
- It will decrease by 3.
- It will be multiplied by 3.

### S-ID.3

The box-and-whisker plots below show the distributions of employee salaries for two different companies that have the same number of employees.



Which statement best compares the employee salaries of the two companies?

- The range of employee salaries at Company A is less than the range of employee salaries at Company B.
- All of the employees at Company A have lower salaries than all of the employees at Company B.
- The majority of the employees at Company A have lower salaries than all of the employees at Company B.
- All of the employees at Company A have lower salaries than the majority of employees at Company B.

### S-ID.5

A classroom teacher keeps track of the amount of time it takes each of her students to complete a puzzle. The table below shows the teacher's results.

		Time to Solve Puzzle		
		Less Than 2 Minutes	More Than 2 Minutes	Total
Gender	Girls	8	4	12
	Boys	10	5	15
Total		18	9	27

Based on the data in the table, which statement **best** describes whether there is evidence to support that the puzzle is easier to solve for one gender than the other?

- There is evidence that the puzzle is easier for the boys because 10 boys took less than 2 minutes as compared with 8 girls.
- There is evidence that the puzzle is easier for the girls because only 4 girls took more than 2 minutes as compared with 5 boys.
- There is no evidence to prove that the puzzle was easier for either gender because equal percentages of boys and girls took less than and more than 2 minutes.
- There is no evidence to prove that the puzzle was easier for either gender because the number of boys is not the same as the number of girls.

### S-ID.8

The table below shows the amounts James plans to receive at the end of each year from one of his investments.

Number of Years	Amount (in dollars)
0	2000
1	2160
2	2320
3	2420
4	2500
5	2780
6	2940

What is the correlation coefficient, and which statement **best** describes this linear relationship?

- 0.01; weak negative
- 0.01; weak positive
- 0.99; strong negative
- 0.99; strong positive

### S-ID.9

James and his family want to rent a beach house for a week. They researched several sites online and recorded their findings in the table below.

House	# of Bedrooms	# of Bathrooms	Beachfront	Cost per Week
A	3	3	No	\$700
B	4	3	Yes	\$875
C	5	4	Yes	\$1,000
D	5	4	No	\$950
E	6	6	Yes	\$1,200

What should James and his family conclude about the size of beach houses and their weekly cost?

- The number of bathrooms is the only influence on weekly cost.
- The number of bedrooms is the only influence on weekly cost.
- There is no association between beach house size and cost per week.
- Other factors, such as having a beachfront, may influence the weekly cost.