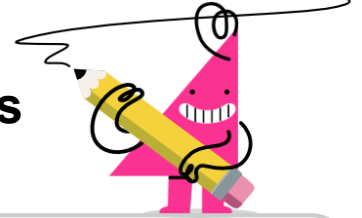




## Statistics - Standard Deviation - Values and Formula to Z-Score Sign



**1**

Is the z-score positive or negative?

A reaction time of 274 ms comes from data with mean 280 ms and standard deviation 10 ms. Use  $z = (x - \text{mean}) / \text{standard deviation}$ .

A	B
Negative	Positive

**2**

Is the z-score positive or negative?

A test score of 79 comes from data with mean 72 and standard deviation 5. Use  $z = (x - \text{mean}) / \text{standard deviation}$ .

A	B
Positive	Negative

**3**

Is the z-score positive or negative?

A exam mark of 107 comes from data with mean 110 and standard deviation 10. Use  $z = (x - \text{mean}) / \text{standard deviation}$ .

A	B
Negative	Positive

**4**

Is the z-score positive or negative?

A test score of 65 comes from data with mean 75 and standard deviation 5. Use  $z = (x - \text{mean}) / \text{standard deviation}$ .

A	B
Positive	Negative

**5**

Is the z-score positive or negative?

A exam mark of 146 comes from data with mean 100 and standard deviation 20. Use  $z = (x - \text{mean}) / \text{standard deviation}$ .

A	B
Negative	Positive

**6**

Is the z-score positive or negative?

A test score of 66 comes from data with mean 70 and standard deviation 5. Use  $z = (x - \text{mean}) / \text{standard deviation}$ .

A	B
Positive	Negative

**7**

Is the z-score positive or negative?

A test score of 82 comes from data with mean 75 and standard deviation 5. Use  $z = (x - \text{mean}) / \text{standard deviation}$ .

A	B
Positive	Negative

**8**

Is the z-score positive or negative?

A test score of 84 comes from data with mean 75 and standard deviation 5. Use  $z = (x - \text{mean}) / \text{standard deviation}$ .

A	B
Positive	Negative