



Statistics - Standard Deviation - Mean, SD and Z-Score to Value

1

Find the value.

A height has a z-score of -1.0 in data with mean 160 cm and standard deviation 10 cm.

A	160 cm	B	170 cm
C	150 cm	D	159 cm

2

Find the value.

A exam mark has a z-score of 1.9 in data with mean 100 and standard deviation 20.

A	62	B	101.9
C	158	D	138

3

Find the value.

A reaction time has a z-score of -2.1 in data with mean 300 ms and standard deviation 20 ms.

A	342 ms	B	278 ms
C	297.9 ms	D	258 ms

4

Find the value.

A exam mark has a z-score of -2.3 in data with mean 110 and standard deviation 10.

A	97	B	87
C	107.7	D	133

5

Find the value.

A test score has a z-score of 0.4 in data with mean 72 and standard deviation 5.

A	79	B	70
C	74	D	72.4

6

Find the value.

A height has a z-score of 2.2 in data with mean 170 cm and standard deviation 10 cm.

A	192 cm	B	202 cm
C	148 cm	D	172.2 cm

7

Find the value.

A height has a z-score of 0.6 in data with mean 170 cm and standard deviation 10 cm.

A	170.6 cm	B	176 cm
C	164 cm	D	186 cm

8

Find the value.

A test score has a z-score of -1.6 in data with mean 70 and standard deviation 10.

A	68.4	B	54
C	86	D	64