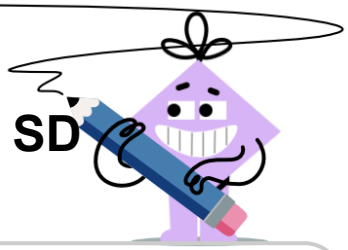
Name



Statistics - Standard Deviation - Mean, SD and Z-Table Value to Top/Bottom X Percent Score

1

Find the cutoff score.

test scores have mean 80 and standard deviation 10. For the top 30%, the z-table value P(Z <= 0.52) = 0.6985. What is the cutoff test score?

A	80.5	B	80
C	85.2	D	74.8

2

Find the cutoff score.

exam marks have mean 110 and standard deviation 10. For the top 10%, the z-table value P(Z <= 1.28) = 0.8997. What is the cutoff exam mark?

A	111.3	B	110
C	97.2	D	122.8

3

Find the cutoff score.

reaction times have mean 280 ms and standard deviation 10 ms. For the bottom 25%, the z-table value P(Z <= -0.67) = 0.2514. What is the cutoff reaction time?

A	279.3 ms	B	273.3 ms
C	286.7 ms	D	280 ms

4

Find the cutoff score.

heights have mean 170 cm and standard deviation 10 cm. For the top 25%, the z-table value P(Z <= 0.67) = 0.7486. What is the cutoff height?

A	170 cm	B	170.7 cm
C	176.7 cm	D	163.3 cm

5

Find the cutoff score.

reaction times have mean 320 ms and standard deviation 20 ms. For the top 10%, the z-table value P(Z <= 1.28) = 0.8997. What is the cutoff reaction time?

A	320 ms	B	294.4 ms
C	345.6 ms	D	321.3 ms

6

Find the cutoff score.

test scores have mean 78 and standard deviation 5. For the top 25%, the z-table value P(Z <= 0.67) = 0.7486. What is the cutoff test score?

A	78.7	B	78
C	81.4	D	74.6

7

Find the cutoff score.

test scores have mean 72 and standard deviation 10. For the bottom 10%, the z-table value P(Z <= -1.28) = 0.1003. What is the cutoff test score?

A	70.7	B	72
C	59.2	D	84.8

8

Find the cutoff score.

exam marks have mean 120 and standard deviation 10. For the top 25%, the z-table value P(Z <= 0.67) = 0.7486. What is the cutoff exam mark?

A	113.3	B	120.7
C	120	D	126.7