



Statistics - Standard Deviation - Values and Z-Table Section to Z-Table Value

1 Read the z-table value.

A height of 191.3 cm has mean 170 cm, SD 10 cm.
Find the z-score, then read its z-table value.

z	0.03	0.04	0.05
2.1	0.9834	0.9838	0.9842
2.2	0.9871	0.9875	0.9878
2.3	0.9901	0.9904	0.9906

A	0.9871	B	0.9838
C	0.9834	D	0.9842

2 Read the z-table value.

A exam mark of 138.1 has mean 120, SD 10.
Find the z-score, then read its z-table value.

z	0.01	0.02	0.03
1.7	0.9564	0.9573	0.9582
1.8	0.9649	0.9656	0.9664
1.9	0.9719	0.9726	0.9732

A	0.9564	B	0.9649
C	0.9573	D	0.9582

3 Read the z-table value.

A exam mark of 144.7 has mean 120, SD 10.
Find the z-score, then read its z-table value.

z	0.07	0.08	0.09
2.2	0.9884	0.9887	0.9890
2.3	0.9911	0.9913	0.9916
2.4	0.9932	0.9934	0.9936

A	0.9890	B	0.9887
C	0.9884	D	0.9932

4 Read the z-table value.

A height of 167.5 cm has mean 165 cm, SD 5 cm.
Find the z-score, then read its z-table value.

z	0.00	0.01	0.02
0.3	0.6179	0.6217	0.6255
0.4	0.6554	0.6591	0.6628
0.5	0.6915	0.6950	0.6985

A	0.6255	B	0.6217
C	0.6915	D	0.6179

5 Read the z-table value.

A height of 184.5 cm has mean 175 cm, SD 5 cm.
Find the z-score, then read its z-table value.

z	0.00	0.01	0.02
1.8	0.9641	0.9649	0.9656
1.9	0.9713	0.9719	0.9726
2.0	0.9772	0.9778	0.9783

A	0.9656	B	0.9641
C	0.9649	D	0.9713

6 Read the z-table value.

A reaction time of 303.5 ms has mean 280 ms, SD 10 ms.
Find the z-score, then read its z-table value.

z	0.04	0.05	0.06
2.2	0.9875	0.9878	0.9881
2.3	0.9904	0.9906	0.9909
2.4	0.9927	0.9929	0.9931

A	0.9875	B	0.9906
C	0.9881	D	0.9878

7 Read the z-table value.

A test score of 86.8 has mean 75, SD 5.
Find the z-score, then read its z-table value.

z	0.06	0.07	0.08
2.1	0.9846	0.9850	0.9854
2.2	0.9881	0.9884	0.9887
2.3	0.9909	0.9911	0.9913

A	0.9911	B	0.9846
C	0.9850	D	0.9854

8 Read the z-table value.

A test score of 81.8 has mean 72, SD 5.
Find the z-score, then read its z-table value.

z	0.04	0.05	0.06
1.7	0.9591	0.9599	0.9608
1.8	0.9671	0.9678	0.9686
1.9	0.9738	0.9744	0.9750

A	0.9608	B	0.9591
C	0.9599	D	0.9744