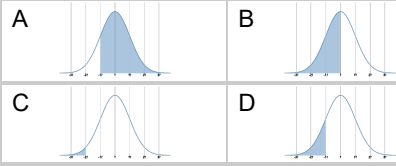


Statistics - Standard Deviation - Mean, SD and Range to Labelled Curve, Above/Below

1

The test scores in a large class are normally distributed with a mean of 80 and a standard deviation of 5. Show scores below 75 on the graph.

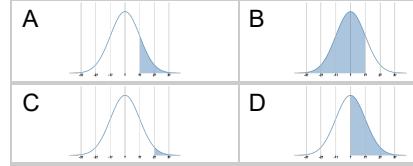
Which normal curve has the correct region shaded for scores below 75?



2

The adult heights in centimetres are normally distributed with a mean of 170 and a standard deviation of 8. Show people above 178 on the graph.

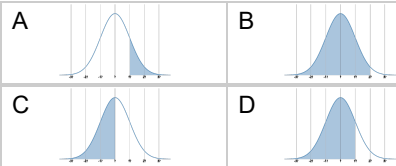
Which normal curve has the correct region shaded for people above 178?



3

The adult heights in centimetres are normally distributed with a mean of 160 and a standard deviation of 10. Show people below 170 on the graph.

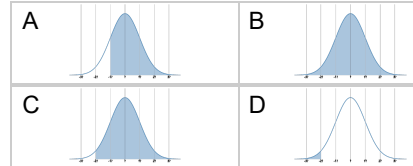
Which normal curve has the correct region shaded for people below 170?



4

The daily high temperatures in degrees are normally distributed with a mean of 20 and a standard deviation of 4. Show days above 12 on the graph.

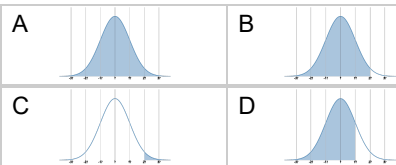
Which normal curve has the correct region shaded for days above 12?



5

The daily high temperatures in degrees are normally distributed with a mean of 20 and a standard deviation of 4. Show days below 28 on the graph.

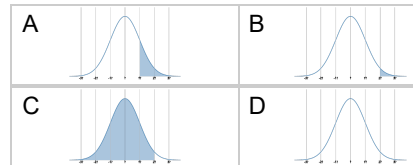
Which normal curve has the correct region shaded for days below 28?



6

The battery lifetimes in hours are normally distributed with a mean of 50 and a standard deviation of 5. Show batteries above 60 on the graph.

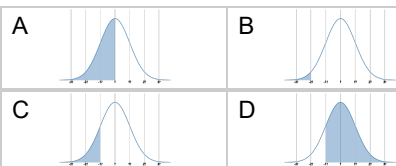
Which normal curve has the correct region shaded for batteries above 60?



7

The battery lifetimes in hours are normally distributed with a mean of 40 and a standard deviation of 5. Show batteries below 35 on the graph.

Which normal curve has the correct region shaded for batteries below 35?



8

The daily high temperatures in degrees are normally distributed with a mean of 18 and a standard deviation of 3. Show days above 21 on the graph.

Which normal curve has the correct region shaded for days above 21?

