

15. What is the total area underneath the normal curve?

16. What percentage of the area falls above the mean?

True or False.

17. The area under the curve for a normal distribution is 1.

T or F

18. The mean, mode and media are all equal for a normal distribution.

T or F

19. The area under the standard normal curve that lies within two standard deviations from the mean is approximately 95%.

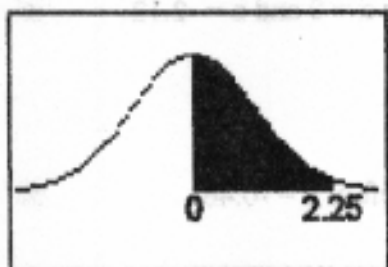
T or F

20. A distribution is said to be positively skewed if the mean falls to the right of the mean.

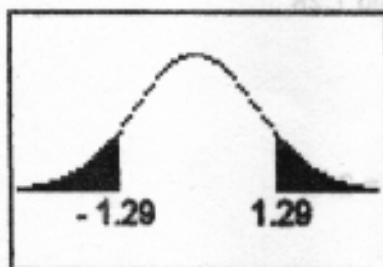
T or F

Graphical Analysis In Exercises 21-26, find the probability of z occurring in the indicated region.

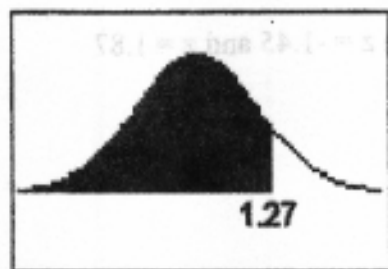
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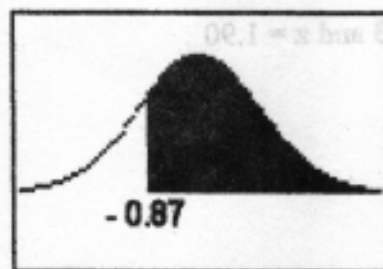
22.



23.



24.



26. **Bags of Flour** ♦ The weights of bags of flour are normally distributed, with a mean of 5 pounds (80 ounces) and a standard deviation of 0.5 ounce. Determine an interval of values into which (a) about 95% of the bags of flour will fall and (b) about 68% of the bags of flour will fall.