*For 1–4, given that $\mu = 25$ and $\sigma = 3.5$ what proportion of scores are **below** the given score?*

1. $x = 16$ | 2. $x = 25$

3. $x = 27$ | 4. $x = 34$

*For 5–8, given that $\mu = 107$ and $\sigma = 8.1$ what proportion of scores are **above** the given score?*

5. $x = 90$ | 6. $x = 105$

7. $x = 112$ | 8. $x = 131$

*For 9–12, given that $\mu = 206.7$ and $\sigma = 11.5$ what proportion of scores are **between** the two given scores?*

9. $x = 195$ and $x = 210$ | 10. $x = 206.7$ and $x = 221.5$

11. $x = 190.8$ and $x = 204.2$ | 12. $x = 199.1$ and $x = 217.6$

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Z-Scores – Day 2

13. A set of test scores are normally distributed with a mean of 65 and a standard deviation of 7.1. What proportion of scores was between 60 and 75?

14. The cost of t-shirts is normally distributed with a mean of $11 and a standard deviation of $1.5. What proportion of costs is between $10 and $12.25?