CHAPTER 9 PRACTICE TEST

Determine whether the question is a statistical question. Explain

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| 1. How many years of experience do elementary school teachers have? |
| 2. What is the favorite food of 6th graders? |
| 3. What is the height of the Empire State Building? |

Display the data in a dot plot. Identify any clusters, peaks or gaps in the data.

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| 4.  Macintosh HD:Users:paulbrown:Desktop:Screen Shot 2018-03-25 at 3.42.16 PM.png | Macintosh HD:Users:paulbrown:Desktop:Screen Shot 2018-03-25 at 3.42.22 PM.png5. |

Find the mean, median, and mode(s) of the data.

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| Macintosh HD:Users:paulbrown:Desktop:Screen Shot 2018-03-25 at 3.45.11 PM.png6. | Macintosh HD:Users:paulbrown:Desktop:Screen Shot 2018-03-25 at 3.45.16 PM.png7. |

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| 8.  Macintosh HD:Users:paulbrown:Desktop:Screen Shot 2018-03-25 at 3.47.25 PM.png |

Find the range of the data.

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| 9.  Macintosh HD:Users:paulbrown:Desktop:Screen Shot 2018-03-25 at 5.53.12 PM.png | Macintosh HD:Users:paulbrown:Desktop:Screen Shot 2018-03-25 at 5.53.19 PM.png10. |

Find the median, first quartile, third quartile, and the interquartile range of the data

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| Macintosh HD:Users:paulbrown:Desktop:Screen Shot 2018-03-25 at 6.00.41 PM.png11. | Macintosh HD:Users:paulbrown:Desktop:Screen Shot 2018-03-25 at 6.00.47 PM.png12. |

Find and interpret the mean absolute deviation of the data. Round your answer to the nearest tenth, if necessary.

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| 13.  Macintosh HD:Users:paulbrown:Desktop:Screen Shot 2018-03-25 at 6.04.22 PM.png | Macintosh HD:Users:paulbrown:Desktop:Screen Shot 2018-03-25 at 6.04.30 PM.png14. |