

Mean, Median, Mode and Range of the Given Data

Name: _____ Date: _____ Score: _____ / 20

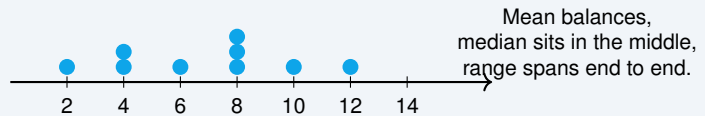
Quick Review

Mean is the balance point, median is the middle after sorting, mode is the most common value, and range is largest minus smallest.

Example: Find the mean of 4, 6, 6, 8.
 ⇒ Add the values: $4 + 6 + 6 + 8 = 24$. Divide by 4 values: $24 \div 4 = 6$.

Answer: 6

Dot plot model



GED Skill Map

Quantitative problem solving in measurement and data

GED data items frequently use tables, bar graphs, circle graphs, dot plots, or probability lists.

PRACTICE

Solve each problem. Show enough work to make your reasoning clear.

- | | |
|--|---|
| 1. Find the range of 4, 8, 9, 9, 17. _____ | 9. Find the median of 3, 4, 10, 10, 13. _____ |
| 2. Find the range of 5, 6, 9, 11, 14. _____ | 10. Find the range of 2, 8, 10, 12, 16. _____ |
| 3. Find the median of 2, 12, 16, 16, 16. _____ | 11. Find the range of 3, 5, 12, 17, 18. _____ |
| 4. Find the median of 6, 9, 10, 17, 18. _____ | 12. Find the range of 4, 9, 9, 12, 18. _____ |
| 5. Find the range of 10, 11, 11, 15, 16. _____ | 13. Find the mean of 9, 9, 9, 10, 16. _____ |
| 6. Find the median of 4, 4, 10, 11, 18. _____ | 14. Find the median of 4, 11, 12, 12, 12. _____ |
| 7. Find the mean of 5, 5, 6, 7, 10. _____ | 15. Find the median of 5, 12, 13, 17, 17. _____ |
| 8. Find the range of 2, 10, 13, 13, 16. _____ | 16. Find the range of 2, 3, 4, 6, 16. _____ |

◆ GED-Style Applications

17. Scores are 7, 8, 8, 10, 12. Find the median. _____
18. A spinner has 8 equal sections and 3 are blue. Find $P(\text{blue})$. _____
19. A chart shows 30% of 240 voters chose Option A. How many voters is that? _____
20. Four workers can be scheduled first, second, and third. How many ordered schedules are possible? _____



Answer Keys

1. $\boxed{13}$

2. $\boxed{9}$

3. $\boxed{16}$

4. $\boxed{10}$

5. $\boxed{6}$

6. $\boxed{10}$

7. $\boxed{\frac{33}{5}}$

8. $\boxed{14}$

9. $\boxed{10}$

10. $\boxed{14}$

11. $\boxed{15}$

12. $\boxed{14}$

13. $\boxed{\frac{53}{5}}$

14. $\boxed{12}$

15. $\boxed{13}$

16. $\boxed{14}$

17. $\boxed{8}$

18. $\boxed{\frac{3}{8}}$

19. $\boxed{72}$

20. $\boxed{24}$



answer is $\frac{53}{5}$.

14. Organize the data or outcomes before calculating. A clean list, table, or count prevents small mistakes in statistics and probability questions. Put the data in order first if the statistic needs it. Then use the definition of mean, median, mode, or range. Finally, pause for a quick check: the answer should match the requested form and make sense in the original problem. So the final answer is 12.

15. Organize the data or outcomes before calculating. A clean list, table, or count prevents small mistakes in statistics and probability questions. Put the data in order first if the statistic needs it. Then use the definition of mean, median, mode, or range. Finally, pause for a quick check: the answer should match the requested form and make sense in the original problem. So the final answer is 13.

16. Organize the data or outcomes before calculating. A clean list, table, or count prevents small mistakes in statistics and probability questions. Put the data in order first if the statistic needs it. Then use the definition of mean, median, mode, or range. Finally, pause for a quick check: the answer should match the requested form and make sense in the original problem. So the final answer is 14.

17. Organize the data or outcomes before calculating. A clean list, table, or count prevents small mistakes in statistics and probability questions. The middle value in the ordered list is 8. Finally, pause for a quick check: the answer should match the requested form and make sense in the original problem. So the final answer is 8.

18. Read the situation first and decide what the question is asking for. Then choose the operation from the context and keep the unit or label with the answer. Use favorable outcomes over total outcomes. Finally, pause for a quick check: the answer should match the requested form and make sense in the original problem. So the final answer is $\frac{3}{8}$.

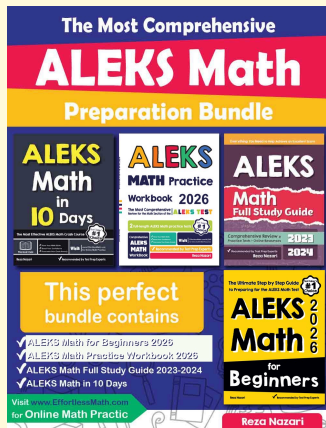
19. Read the situation first and decide what the question is asking for. Then choose the operation from the context and keep the unit or label with the answer. $0.30(240) = 72$. Finally, pause for a quick check: the answer should match the requested form and make sense in the original problem. So the final answer is 72.

20. Read the situation first and decide what the question is asking for. Then choose the operation from the context and keep the unit or label with the answer. Multiply $4 \cdot 3 \cdot 2 = 24$. Finally, pause for a quick check: the answer should match the requested form and make sense in the original problem. So the final answer is 24.



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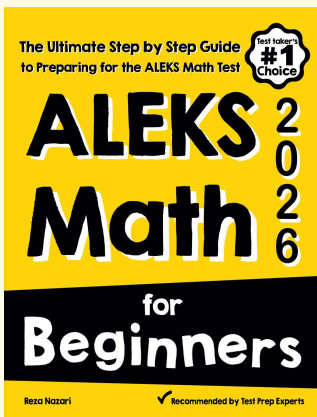
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