Mean and median

Name _____ Date _____

Find the mean.

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Example 14, 9, 11, 6

1. Add the values: 14 + 9 + 11 + 6 = 40.
2. Divide by how many there are: 40 ÷ 4 = 10.

Answer: 10

1. 54, 36, 47, 28, 33
   Mean = ☐
2. 3, 29, 9, 44, 32
   Mean = ☐
3. 55, 8, 46, 37, 19, 45
   Mean = ☐
4. 55, 58, 53, 46, 37
   Mean = ☐
5. 7, 34, 11, 22
   Mean = ☐
6. 22, 21, 23, 34, 36
   Mean = ☐

Find the median.

Example 21, 8, 15, 3, 17, 12

1. Put them in order: 3, 8, 12, 15, 17, 21.
2. Two middle values, 12 and 15: halfway is (12 + 15) ÷ 2 = 13.5.

Answer: 13.5

7. 21, 47, 26, 35, 4
   Median = ☐
8. 50, 8, 10, 47, 7
   Median = ☐
9. 17, 32, 37, 36, 26, 33, 28
   Median = ☐
10. 39, 11, 28, 8, 50, 29
    Median = ☐
11. 18, 42, 20, 48, 42, 47
    Median = ☐
12. 43, 32, 7, 10, 3, 8
    Median = ☐

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Spread

Name _____ Date _____

Find the mode and the range.

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Example 4, 9, 6, 9, 2, 7

1. Mode: the value that appears most often is 9.
2. Range: largest − smallest = 9 − 2 = 7.

Answer: Mode 9, Range 7

1. 6, 18, 27, 20, 10, 9, 6
   Mode = ☐ Range = ☐
2. 28, 17, 23, 19, 16, 28
   Mode = ☐ Range = ☐
3. 24, 24, 8, 28, 24, 21, 20
   Mode = ☐ Range = ☐
4. 5, 13, 24, 25, 19, 5, 22, 17
   Mode = ☐ Range = ☐
5. 9, 15, 19, 27, 2, 6, 24, 27, 23
   Mode = ☐ Range = ☐
6. 27, 18, 3, 19, 18, 17, 30, 15
   Mode = ☐ Range = ☐

Find the IQR.

Example Q1 = 11, Q3 = 24.5

1. Find the quartiles first (as on the last sheet).
2. IQR = Q3 − Q1 = 24.5 − 11 = 13.5.

Answer: 13.5

7. 2, 8, 1, 30, 57, 56, 38, 60, 15
   IQR = ☐
8. 60, 4, 4, 3, 34, 5, 24, 33
   IQR = ☐
9. 15, 47, 34, 44, 44, 27, 2
   IQR = ☐
10. 50, 58, 41, 35, 6, 40, 3, 32
    IQR = ☐
11. 28, 43, 8, 11, 33, 19, 28, 47, 31
    IQR = ☐
12. 4, 49, 31, 34, 54, 46, 16, 6, 43, 12
    IQR = ☐

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Answers

Answers are in the same order as the boxes.

Page 1 · Mean and median

1. 39.6
2. 23.4
3. 35
4. 49.8
5. 18.5
6. 27.2
7. 26
8. 10
9. 32
10. 28.5
11. 42
12. 9

Page 2 · Spread

1. 6, 21
2. 28, 12
3. 24, 20
4. 5, 20
5. 27, 25
6. 18, 27
7. 51.5
8. 29.5
9. 29
10. 26.5
11. 23
12. 34

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