

Practice 1-4 Measures of Central Tendency

Choose a calculator, pencil and paper, or mental math.

Find the mean, median, and mode of each of the following.

1. hours of piano practice

Hours Mr. Capelli's students practice

2 1 2 0 1 2 2 1 2 2

2. days of snow per month

Monthly snow days in Central City

8 10 5 1 0 0 0 0 1 3 12

3. number of students per class

Class size in Westmont Middle School

32 26 30 35 25 24 35 30 29 25

4. ratings given by students to a new movie

Student ratings of a movie

10 9 10 8 9 7 5 3 8 9 9 10 9 9 7

5. points scored in five basketball games

Points scored by Westmont JV

72 67 83 92 54

6. bowling scores for one bowler

Li's bowling scores

129 136 201 146 154

What is the best measure of central tendency for each type of data—mean, median, or mode? Explain.

7. most popular movie in the past month

8. favorite hobby

9. class size in a school

10. ages of members in a club

Each person has taken four tests and has one more test to take. Find the score that each person must make to change the mean as shown.

11. Barry has scores of 93, 84, 86, and 75.
He wants to raise the mean to 86.

12. Jim has scores of 60, 73, 82, and 75.
He wants to raise the mean to 75.
