

Mean, median and mode: calculate and compare

Name: _____ Date: _____

Show your calculations, diagrams and explanations. Start with questions 1–2, then build toward the final challenge.

Public practice with published answers. This is not a full-topic readiness assessment.

1. An invented list of four reading-session lengths is 7, 5, 9, 3 minutes. Put it in order and find the median. Show why you use two middle values.

Show your work:

2. Five paper towers have heights 8, 10, 6, 12, 9 cm. Calculate their mean, showing the total and divisor.

Show your work:

3. An invented list of daily badge counts is 2, 4, 2, 6, 4, 7. Find every mode and the median. Explain why there is more than one mode.

Show your work:

4. Four practice times are 4, 6, 8, 10 minutes. Add a fifth time of 32 minutes. Find the mean and median before and after, then compare their changes.

Show your work:

5. Five quiz-practice scores have a mean of 14 points. Four scores are 11, 13, 16 and 12 points. Find the missing score and check the mean.

Show your work:

6. Five invented weekend screen-time records are 20, 25, 25, 30, 150 minutes. Calculate mean, median and mode. Which of the mean or median better describes the cluster of shorter records here? Explain without deleting the 150-minute record.

Show your work: