Describe Data Using the Mean

Find the mean of a data set. Explain it as a fair share and a balance point.

Name _____ **Date** _____

Tonight's spark

Four kids in a reading club read 8, 12, 10 and 14 books. The club wants one number for a typical reader. What number should it post?

Guess first: will the number be above 14, below 8, or in between?



Our class model: the fair share

Try it

Work it out on paper. Write one answer on each line.

1 **What is the mean of 4, 6, and 8?**

A. 6 **B.** 18 **C.** 8 **D.** 3

My answer _____

2 **How do you find the mean of a data set?**

A. Put the values in order and pick the middle one

B. Add all the values, then divide by how many values there are

C. Pick the value that appears most **D.** Subtract the least from the greatest

My answer _____

3 **What is the mean of 2, 2, 5, and 7?**

A. 3.5 **B.** 2 **C.** 4 **D.** 16

My answer _____

4 **Four friends have 3, 5, 6, and 10 cards. If they share all the cards equally, how many does each get?**

A. 24 **B.** 6 **C.** 5.5 **D.** 3

My answer _____

5 **The mean of 3, 7, and 11 is 7. Which statement describes the mean as a balance point?**

A. The amount above 7 and the amount below 7 balance out

B. Half of the values are equal to 7 **C.** 7 appears the most **D.** 7 is the sum of the values

My answer _____

Talk about it

Does 44 describe one typical reader, or all four readers together?

Home mission

Make four small piles of crackers or coins: 2, 5, 3 and 6. Ask your student to guess the fair share. Then slide pieces until all four piles match.

If we get stuck, ask

- What is the total of all the values?
- How many values are there?
- If everyone got the same amount, how much would that be?

Do it on a screen

Scan or type the link. Same lesson, with hints.

eduwonderlab.com/lessons/2-8/homework.html

How did it feel? (optional)

Tricky Getting there Got it