

# Redistributing to Find the Mean

## Lesson 1-3

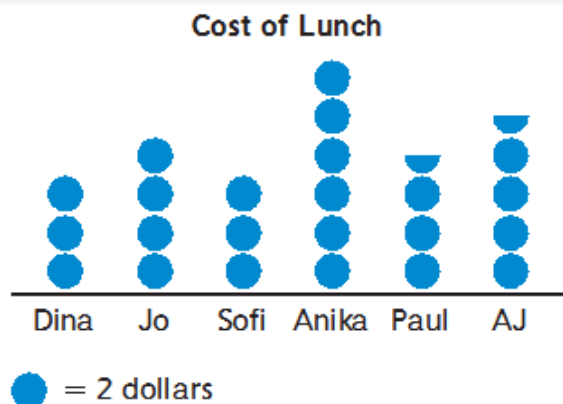
DATE \_\_\_\_\_

TIME \_\_\_\_\_

### Math Message

Six friends went out to lunch.  
The graph shows how much each person paid.  
Maria and Jalen used it to figure out how much the friends would have paid had they split the bill equally.

- Maria imagined moving dollars around so each person had the same number.
- Jalen found the total dollars spent and divided it by the number of people.



They both got the same answer, \$8, but whose method will work for splitting any bill equally?

Explain. \_\_\_\_\_  
\_\_\_\_\_

### Counting Raisins

- 1 Guess how many raisins are in the box. \_\_\_\_\_
- 2 Open the box and estimate the number of raisins. \_\_\_\_\_
- 3 Count the raisins and write the number. \_\_\_\_\_
- 4 In the table, record the number of raisins for each person in your group.
- 5 Make a group prediction for how many raisins another box would have. \_\_\_\_\_
- 6 Find the average number of raisins per box for the groups at right.

Name	Number of Raisins
1	77
2	66
3	74
4	73
5 Total:	64

Total 359 70.8

Group A: 27, 30, 32, 33, 28 Average: 30

Group B: 29, 28, 32, 31, 30 Average: 30

### Try This

- 7 Make different data sets for Groups C and D with averages of 30. List five raisin-box totals per group.

Group C: 30 33 28 35 21 33  
 145 1 1 1 1

Group D: \_\_\_\_\_



1 Solve.

- a.  $700 * 50 =$  \_\_\_\_\_
- b. \_\_\_\_\_  $* 40 = 3,200$
- c.  $360,000 = 900 *$  \_\_\_\_\_
- d. 
$$\begin{array}{r} 80 \\ * 30 \\ \hline \end{array}$$



2 Roger played his new video game four times. His scores were 1,230; 2,470; 1,570; and 2,630. How many total points did he score?

Solution: \_\_\_\_\_

*Spiral*

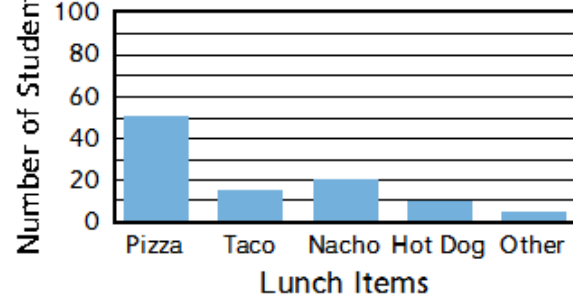


3 Fill in the circle to tell whether each number sentence is true or false.

- a.  $196 - 39 = 153$   
 True     False
- b.  $2,500 = 1,800 + 700$   
 True     False
- c. 
$$\begin{array}{r} 8,035 \\ - 3,049 \\ \hline 4,986 \end{array}$$
  
 True     False
- d.  $65,050 - 58,060 = 6,990$   
 True     False



4 Preferred Lunch



- a. Which lunch item is most preferred? \_\_\_\_\_
- b. How might you use the information from this graph? \_\_\_\_\_

5 Write each mixed number as a fraction.

- a.  $2\frac{1}{3} =$  \_\_\_\_\_    b.  $3\frac{5}{11} =$  \_\_\_\_\_
- c.  $7\frac{2}{7} =$  \_\_\_\_\_    d.  $4\frac{2}{5} =$  \_\_\_\_\_

*Spiral*



6 Order these fractions from least to greatest.

$\frac{5}{7}, \frac{1}{7}, \frac{8}{7}, \frac{11}{7}, \frac{3}{7}$

\_\_\_\_\_

MB 1.3  
P/O

A large, stylized handwritten signature in blue ink, consisting of a large loop on the left and a more complex, multi-stroke structure on the right.

1.3