

# Reflection & Practice

1-5.

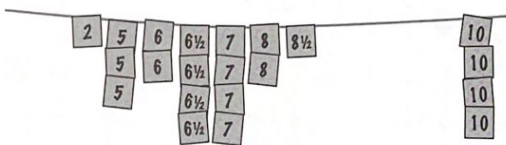
Kylo and Ren are playing a word game. After Ren placed the word *math*, Kylo placed *backtoschool*, which is not a word. If *backtoschool* had counted, how many points would Kylo have earned? (Hint: Each player calculates their score by adding the values of all the letters in their word.)



1-6.

I can position whole numbers and decimal numbers on a horizontal number line.

Corban's class placed their shoe-size data on a clothesline. Use this clothesline to answer the questions below.



- Corban insists that they move the sticky notes for size 8 slightly to the right. Why might this be?
- Ashley says, "We need to move the 2 to the left." Kim asks, "Why? The 2 is to the left of all the other numbers, so it is in the correct place." Explain why Ashley wants to move the 2 to the left. How far to the left should it go?
- Rosana, who wears a size  $5\frac{1}{2}$  shoe, joins the class. Which sticky notes would you need to move to place Rosana's shoe size on the clothesline? Where would you move them to?
- Once Rosana's sticky note is added, Raj says that there are 22 shoe sizes represented on the graph. Santiago says that there are only 9 shoe sizes but 22 students. Explain why Santiago is correct.

1-5 27

1-6 a. There is no space between 7 and 8 for people with size  $7\frac{1}{2}$  feet. Even if no one in the class has feet that size, it is still part of the number line.

b. 2 needs to move over far enough to have space for  $2\frac{1}{2}$ , 3,  $3\frac{1}{2}$ , 4, and  $4\frac{1}{2}$ .

c. I'd move 5s left to make space for the  $5\frac{1}{2}$ . It's only moving the 2 and 5s. Or, I could move all of the  $8\frac{1}{2}$ , 8, space for  $7\frac{1}{2}$ , 7,  $6\frac{1}{2}$  and 6 over. There's too much space between  $8\frac{1}{2}$  and 10 anyway.

c. Because many students have the same size feet, there are 22 sticky notes, but only 9 unique shoe sizes.

1-7. (from Lesson 0.1.3)

Which of these figures have an odd number of dots?  
Explain how you can determine whether the number of dots is even or odd without having to count all of the dots.



FIGURE A



FIGURE B



FIGURE C



FIGURE D

Reflection & Practice continues on page 52.

1-7 Odd numbers are pairs + 1  
With 2 row dot patterns, you  
just have to look for the  
ones with extra.

Fig A

Fig C

Fig D