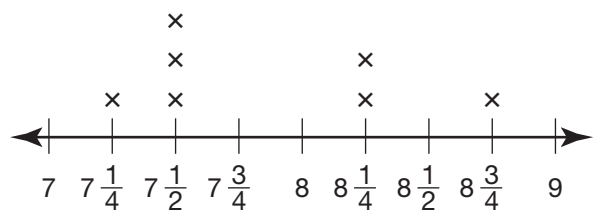


Length and Line Plots

Japera measured the lengths of the books in the top shelf of her bookcase. She made a line plot to show the data.

Lengths of Books on Top Shelf in Inches



1. How many books are on the top shelf?

2. What length of book is shown most often?

She measured the lengths of the books on the bottom shelf and listed their lengths.

$8\frac{3}{4}$ in. , $9\frac{1}{2}$ in. , $8\frac{1}{4}$ in. , $9\frac{1}{4}$ in. , 10 in. , $9\frac{1}{4}$ in. , $8\frac{1}{2}$ in.

3. Make a line plot that displays the lengths of the books on the bottom shelf.

4. **Use Tools** Which shelf has the most books that are the same size?

5. How many different lengths of books are on the bottom shelf?

6. **Writing to Explain** Does Japera keep the longer books on the top or the bottom shelf? How do you know?

7. Which length of book is most common on the bottom shelf?

- | | |
|--------------------------------|--------------------------------|
| A 2 inches | C $9\frac{1}{4}$ inches |
| B $8\frac{3}{4}$ inches | D 10 inches |