

Name _____

Date _____



CREATING LINE PLOTS SHEET 4:3

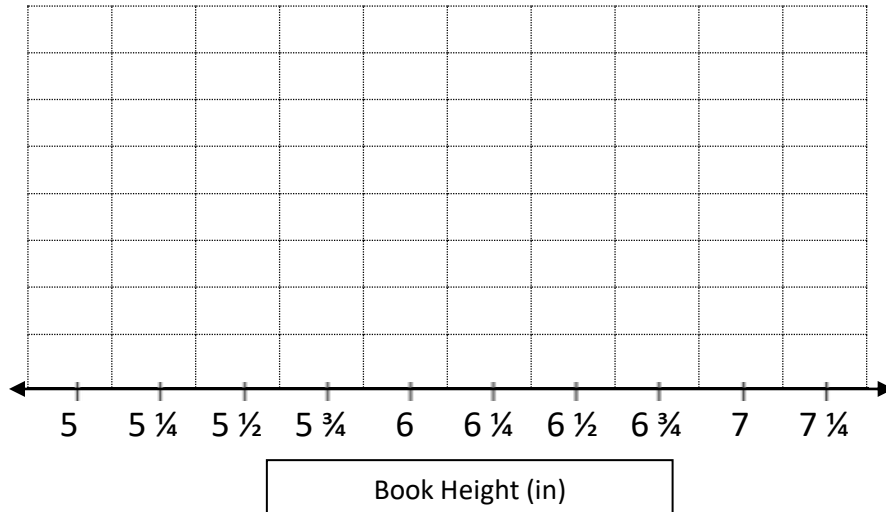
Sally does a tally of the height of the books on her bookshelf.



- 1) Fill in the frequency columns in the table.
- 2) Complete the line plot to show the data.

HEIGHT (INCHES)	TALLY	FREQUENCY
5	II	2
5 $\frac{1}{4}$	I	
5 $\frac{1}{2}$	III	
5 $\frac{3}{4}$	IIII	
6	IIII III	

HEIGHT (INCHES)	TALLY	FREQUENCY
6 $\frac{1}{4}$	II	
6 $\frac{1}{2}$	IIII	
6 $\frac{3}{4}$	II	
7	IIII II	
7 $\frac{1}{4}$	I	



Answer the following questions about the data:

- 3) What was the most common book height? _____
- 4) How much taller than the shortest book was the tallest book? _____
- 5) How many more books are 7 inches tall than 6 $\frac{3}{4}$ inches tall? _____
- 6) How many books are there in total on the bookshelf? _____
- 7) True or false:
 - a) Most of the books are more than 6 inches tall. _____
 - b) A third of the books are less than 6 inches tall. _____

Name

Date



CREATING LINE PLOTS SHEET 4:3 ANSWERS

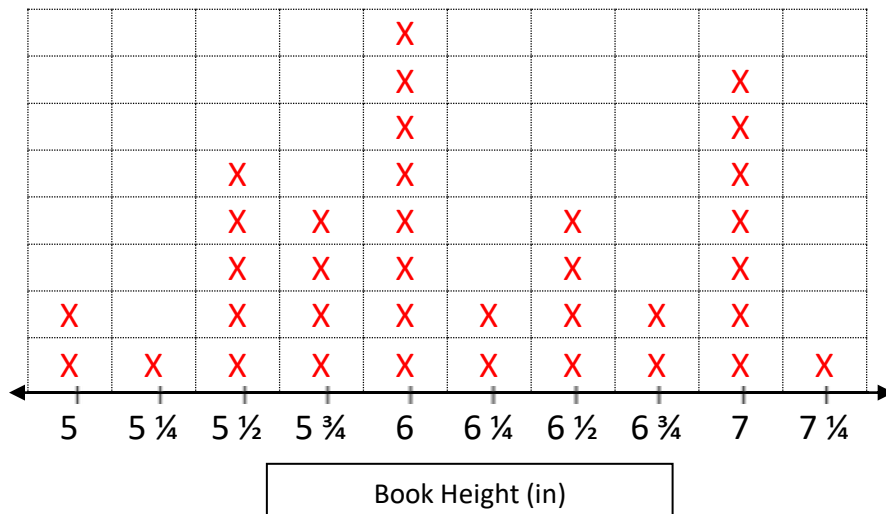
Sally does a tally of the height of the books on her bookshelf.



- 1) Fill in the frequency columns in the table.
- 2) Complete the line plot to show the data.

HEIGHT (INCHES)	TALLY	FREQUENCY
5	II	2
5 $\frac{1}{4}$	I	<u>1</u>
5 $\frac{1}{2}$	III	<u>5</u>
5 $\frac{3}{4}$	IIII	<u>4</u>
6	III III	<u>8</u>

HEIGHT (INCHES)	TALLY	FREQUENCY
6 $\frac{1}{4}$	II	<u>2</u>
6 $\frac{1}{2}$	IIII	<u>4</u>
6 $\frac{3}{4}$	II	<u>2</u>
7	III II	<u>7</u>
7 $\frac{1}{4}$	I	<u>1</u>



Answer the following questions about the data:

- 3) What was the most common book height? 6 inches
- 4) How much taller than the shortest book was the tallest book? 2 $\frac{1}{4}$ inches
- 5) How many more books are 7 inches tall than 6 $\frac{3}{4}$ inches tall? 5 books
- 6) How many books are there in total on the bookshelf? 36 books
- 7) True or false:
 - a) Most of the books are more than 6 inches tall. FALSE
 - b) A third of the books are less than 6 inches tall. TRUE