Fabric line plot with fractions

Data and Graphing Worksheet

Olivia is a dress maker. She cut the fabric into different sizes. Draw a line plot and answer the questions below.
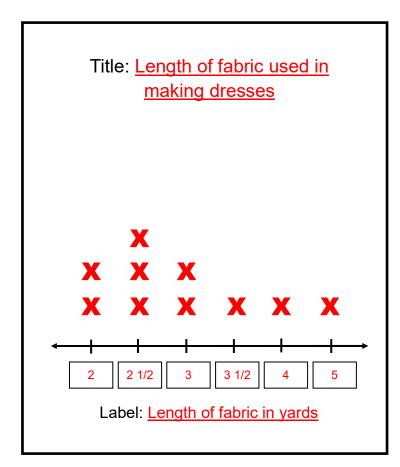
Title:_____

Label:_____

Length of fabric
3 1/2 yards
3 yards
5 yards
2 1/2 yards
2 yards
3 yards
4 yards
2 1/2 yards
2 1/2 yards
2 yards

1. How many dresses did she make? _____

2. How many dresses used more than 3 yards? _____

3. How many more dresses used 3 than 4 yards? _____

4. How many dresses used 3 yards or less? _____

5. How many yards did she use in all? _____

6. If the fabric was cut equally, how many yards of fabric would it be for each dress? _____

Answers

Title: <u>Length of fabric used in making dresses</u>

Length of fabric
3 1/2 yards
3 yards
5 yards
2 1/2 yards
2 yards
3 yards
4 yards
2 1/2 yards
2 1/2 yards
2 yards

| 2 | 2 1/2 | 3 | 3 1/2 | 4 | 5 |

Label: <u>Length of fabric in yards</u>

How many dresses did she make?	10 dresses
How many dresses used more than 3 yards?	3 dresses
How many more dresses used 3 than 4 yards?	1 dress
How many dresses used 3 yards or less?	7 dresses
How many yards did she use in all?	30 yards
If the fabric was cut equally, how many yards of fabric would it be for each dress?	3 yards