MATH
MONKS

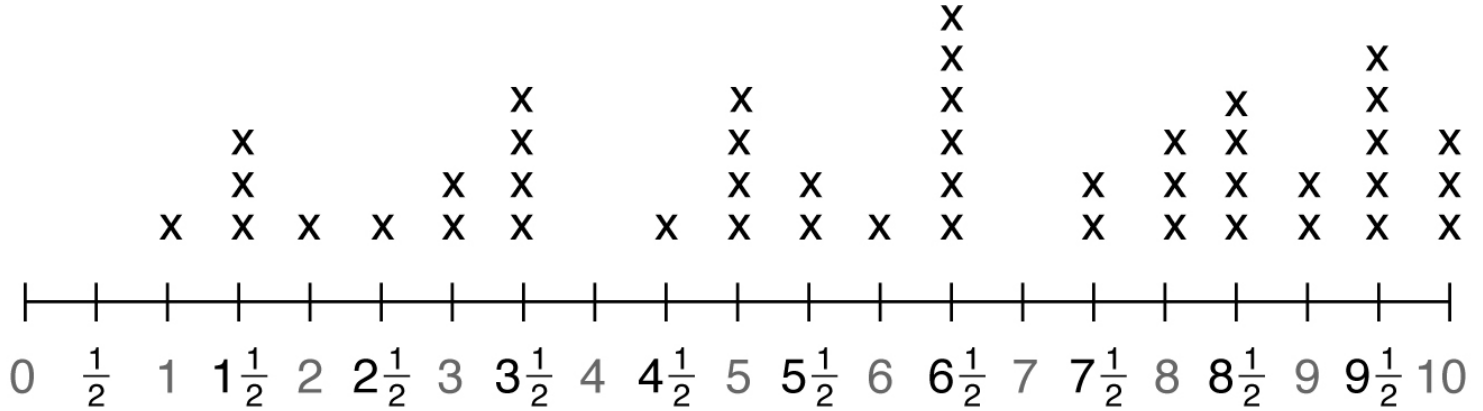## Understanding Line Plots with Fractions
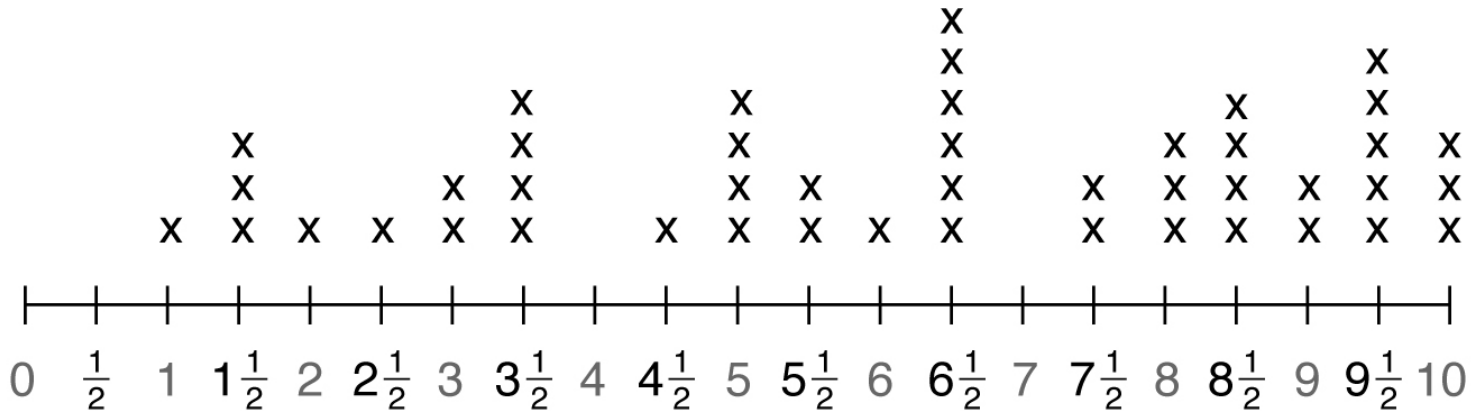
The marks secured by some children in mathematics out of 10 are shown below. Use the line plot to solve the given questions.

$$0 \quad \tfrac{1}{2} \quad 1 \quad 1\tfrac{1}{2} \quad 2 \quad 2\tfrac{1}{2} \quad 3 \quad 3\tfrac{1}{2} \quad 4 \quad 4\tfrac{1}{2} \quad 5 \quad 5\tfrac{1}{2} \quad 6 \quad 6\tfrac{1}{2} \quad 7 \quad 7\tfrac{1}{2} \quad 8 \quad 8\tfrac{1}{2} \quad 9 \quad 9\tfrac{1}{2} \quad 10$$

1 How many students got $8\tfrac{1}{2}$?

_____

2 How many got at least $3\tfrac{1}{2}$?

_____

3 What marks did most of the students secure?

_____

4 What is the total strength of the class?

_____

5 Find the difference between the number of students who got $6\tfrac{1}{2}$ and $3\tfrac{1}{2}$?

_____

6 What marks did no student secure?

_____

7 What fraction of the students out of the total strength got below 5?

_____

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Understanding Line Plots with Fractions

Answers

0 $\frac{1}{2}$ 1 $1\frac{1}{2}$ 2 $2\frac{1}{2}$ 3 $3\frac{1}{2}$ 4 $4\frac{1}{2}$ 5 $5\frac{1}{2}$ 6 $6\frac{1}{2}$ 7 $7\frac{1}{2}$ 8 $8\frac{1}{2}$ 9 $9\frac{1}{2}$ 10

1   How many students got $8\frac{1}{2}$?

$\underline{\hspace{2em} 4 \hspace{2em}}$

2   How many got at least $3\frac{1}{2}$?

$\underline{\hspace{2em} 37 \hspace{2em}}$

3   What marks did most of the students secure?

$\underline{\hspace{2em} 6\frac{1}{2} \hspace{2em}}$

4   What is the total strength of the class?

$\underline{\hspace{2em} 45 \hspace{2em}}$

5   Find the difference between the number of students who got $6\frac{1}{2}$ and $3\frac{1}{2}$?

$\underline{\hspace{2em} 2 \hspace{2em}}$

6   What marks did no student secure?

$\underline{\hspace{2em} 0, \frac{1}{2}, 4, \text{ and } 7 \hspace{2em}}$

7   What fraction of the students out of the total strength got below 5?

$\underline{\hspace{2em} \frac{13}{45} \hspace{2em}}$