Name _____

Homework 15-2
Reading Dot Plots

Another Look!

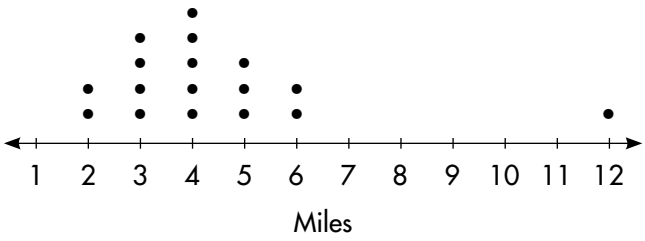
The data table shows the distances Freda ran over a period of days.

A dot plot shows data along a number line. On the dot plot, each dot represents 1 day. An outlier is a data point that is very different from the rest of the data.

DATA

Distance (miles)	Days
2	2
3	4
4	5
5	3
6	2
12	1

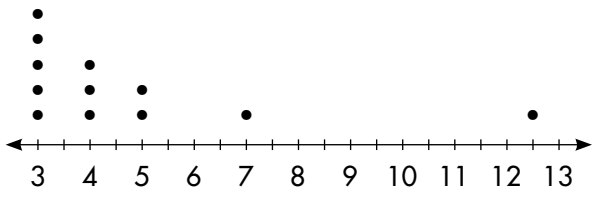
Freda's Daily Running Distance



12 miles is an outlier because it is not close to the distances she ran on the other days.

In **1** through **4**, use the dot plot at the right.

Weights of Puppies at a Pet Store



1. Identify the outlier in the data set.

2. Which weight is the most common?

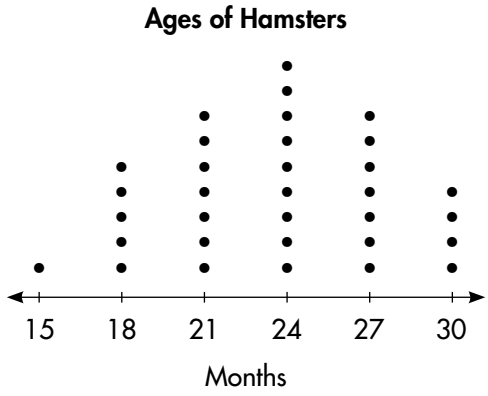
3. How many more puppies weighed 3 pounds than 7 pounds?

4. How many puppies weighed less than 7 pounds?

5. **Connect** What is the total weight of all the puppies? Explain how you found your answer.

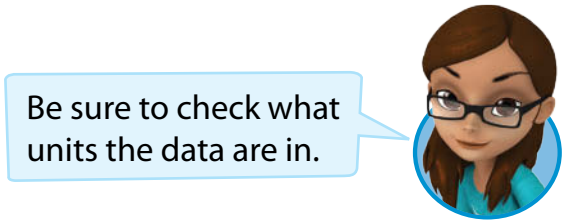
A dot plot includes a number line. Do you remember how to locate points on a number line that are not whole numbers?

6. **Analyze Information** How many hamsters are included in the study shown?

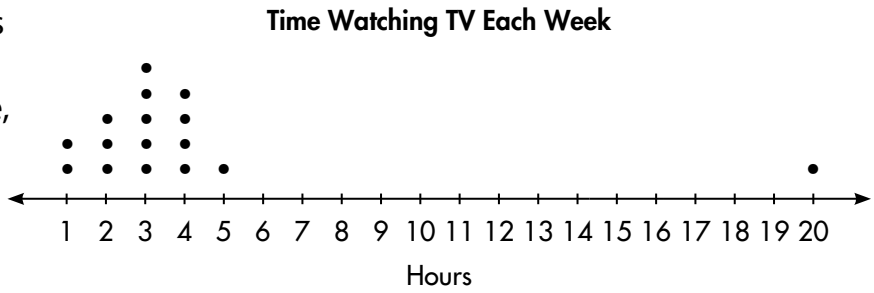


7. Which is the most common age of a hamster included in the study?

8. **Extend Your Thinking** If two 21-month old hamsters are added to the study, how does that change the data?



9. Blair recorded how many hours she watched television each week in a dot plot. Which value, if any, is an outlier?

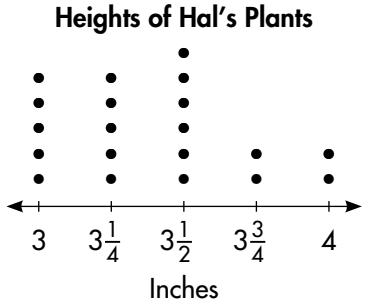


A 20
B 3
C 1
D There are no outliers.

10. **Connect** How many hours of TV did Blair watch most often?

11. How many weeks did Blair watch 6 hours of TV?

12. **Tools** Based on the dot plot, how many more plants are less than $3\frac{1}{2}$ inches tall than are greater than $3\frac{1}{2}$ inches tall?



13. **Communicate** Write a question that can be answered by using the dot plot, and then give the answer.

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