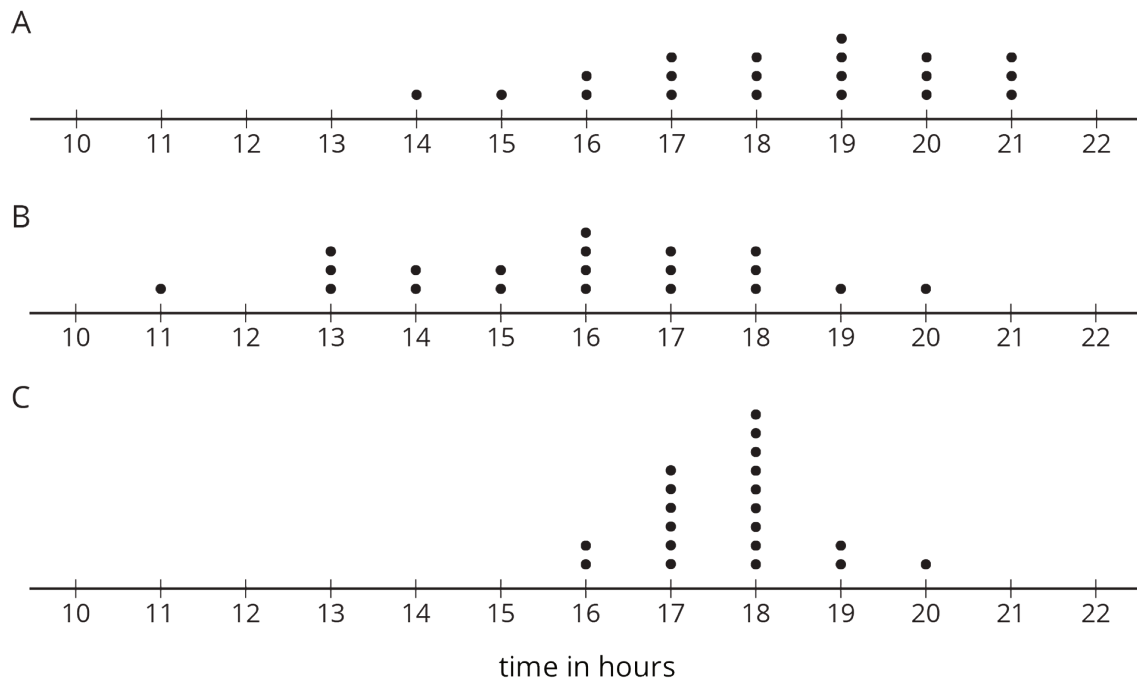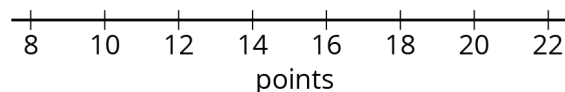# Lesson 4 Practice Problems

1. Clare recorded the amounts of time spent doing homework, in hours per week, by students in sixth, eighth, and tenth grades. She made a dot plot of the data for each grade and provided the following summary.

   ○ Students in sixth grade tend to spend less time on homework than students in eighth and tenth grades.

   ○ The homework times for the tenth-grade students are more alike than the homework times for the eighth-grade students.
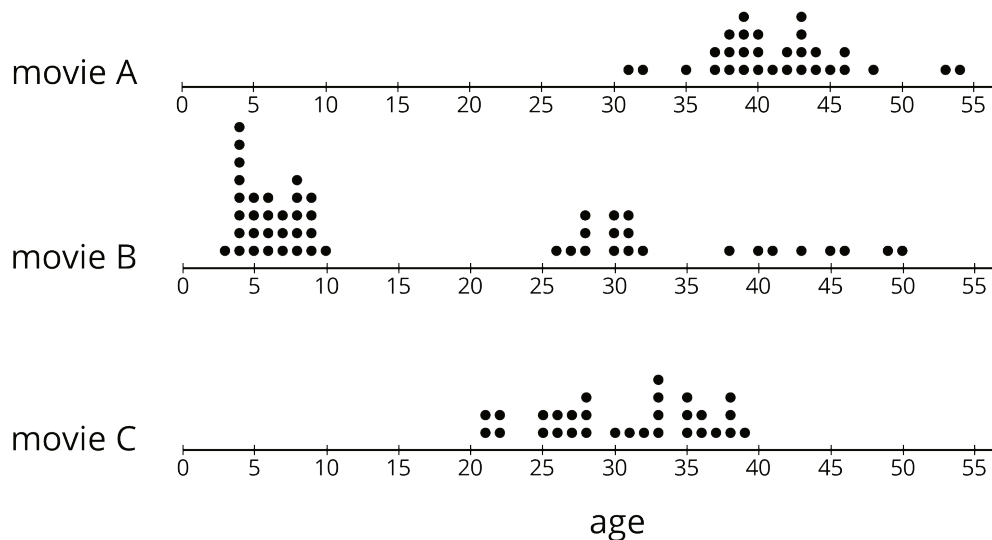
   Use Clare's summary to match each dot plot to the correct grade (sixth, eighth, or tenth).

   A

   B

   C

   time in hours

2. Mai played 10 basketball games. She recorded the number of points she scored and made a dot plot. Mai said that she scored between 8 and 14 points in most of the 10 games, but one game was exceptional. During that game she scored more than double her typical score of 9 points. Use the number line to make a dot plot that fits the description Mai gave.

   points

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1

3. A movie theater is showing three different movies. The dot plots represent the ages of the people who were at the Saturday afternoon showing of each of these movies.

movie A

movie B

movie C

age

a. One of these movies was an animated movie rated G for general audiences. Do you think it was movie A, B, or C? Explain your reasoning.

b. Which movie has a dot plot with ages that that center at about 30 years?

c. What is a typical age for the people who were at Movie A?

4. Find the value of each expression.

a. $3.727 + 1.384$

b. $3.727 - 1.384$

c. $5.01 \cdot 4.8$

d. $5.01 \div 4.8$

(From Unit 5, Lesson 13.)

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