## Unit 8 Lesson 4 Cumulative 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).
* 
1. 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.
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1. 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.
* 
	1. 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.
	2. Which movie has a dot plot with ages that that center at about 30 years?
	3. What is a typical age for the people who were at Movie A?
1. Find the value of each expression.
	1. $3.727+1.384$
	2. $3.727−1.384$
	3. $5.01⋅4.8$
	4. $5.01÷4.8$
* (From Unit 5, Lesson 13.)



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