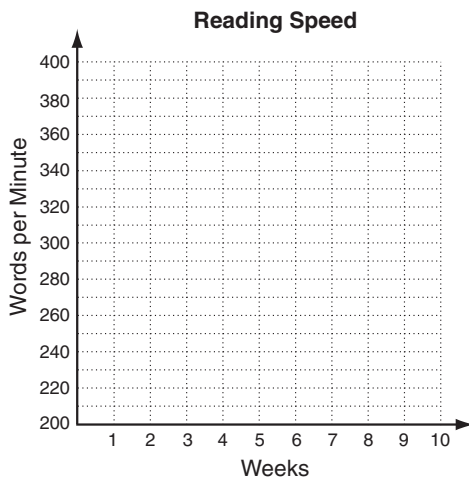


**LESSON**  
**4-5** **Problem Solving**  
**Scatter Plots and Trend Lines**

Fawn is trying to improve her reading skills by taking a speed-reading class. She is measuring how many words per minute (wpm) she can read after each week of the class.

1. Graph a scatter plot using the given data.

Weeks	1	2	3	4	5
wpm	220	230	260	260	280



2. Describe the correlation illustrated by the scatter plot.

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3. Draw a trend line and use it to predict the number of words per minute that Fawn will read after 8 weeks of this class.

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4. Fawn is paying for this class each week out of her savings account. Identify the correlation between the number of classes and Fawn's account balance.

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\_\_\_\_\_

Choose the scatter plot that best represents the described relationship.

5. the distance a person runs and how physically tired that person is  
**A** Graph 1                      **C** Graph 3  
**B** Graph 2                      **D** Graph 4
6. the price of a new car and the number of hours in a day  
**F** Graph 1                      **H** Graph 3  
**G** Graph 2                      **J** Graph 4
7. a person's age and the amount of broccoli the person eats  
**A** Graph 1                      **C** Graph 3  
**B** Graph 2                      **D** Graph 4
8. the number of cats in a barn and the number of mice in that barn  
**F** Graph 1                      **H** Graph 3  
**G** Graph 2                      **J** Graph 4

