Name

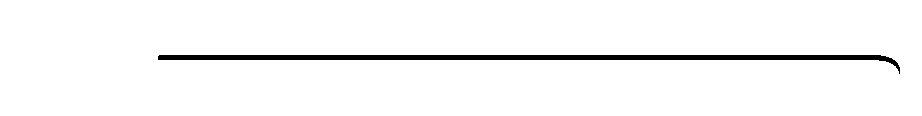
Class

Date

**Think About a Plan**

2-**7**

Solving Proportions



**Video Downloads** A particular computer takes 15 min to download a 45-min TV show. How long will it take the computer to download a 2-hour movie?

**Understanding the Problem**

|  |  |
| --- | --- |
| **1.** | What facts do you know about the situation? |
|  |  |
|  |  |
|  |  |
| **2.** | Are the units given in such a way that the numerators and the denominators of the proportion have the same units? If so, what are the units? If not, which units need to be converted? |
|  |  |
|  |  |
|  |  |

**Planning the Solution**

|  |  |
| --- | --- |
| **3.** | If unit conversions are necessary, use conversion factors to convert the units. Show your work. |
|  |  |
|  |  |
| **4.** | Write a proportion that can be used to determine the length of time necessary for the computer to download the movie. |
|  |  |
|  |  |

**Getting an Answer**

**5.** Solve the proportion you wrote in Step 4 to find how long it will take the computer to download the movie.

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