

## Section 6.6 Math Link

This worksheet will help you with the Math Link on page 235.

In math problems, it is important to look for clues that help you determine what operation or operations you need to perform to calculate the correct answer.

- The table below provides some clues that appear in some questions.
  - Read each clue and decide what operation it suggests. The first row is completed as an example.
  - In the last two rows, list other clues you have seen in math questions. What operation do they suggest?

Clue	Suggested Operation
$\frac{3}{4}$ of 20	multiplication
equally shared	
earned time-and-a-half	
fraction of	
part of	
$\frac{3}{4}$ as many as	
$2\frac{1}{2}$ times as long	

- Sometimes when clues are given, you still may not be sure of what operation to perform.

Example: A car can travel 72 km on  $\frac{1}{8}$  of a tank of gas when driving on the highway. How far can the car travel on  $2\frac{1}{2}$  tanks of gas?

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**BLM 6-20**  
(continued)



- a)** Rewrite the question to simplify it. You may want to eliminate the fractions or use an easier fraction, such as  $\frac{1}{2}$ .

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- b)** Estimate the answer for your simplified question. \_\_\_\_\_

- c)** Calculate the answer for your simplified question.

- d)** What operation or operations did you use? Why?

- e)** Is your answer reasonable? YES NO

If you answered NO, what other operations can you try?

- 3.** About  $\frac{1}{4}$  of the species of mammals that live in Canada can be found in the Taiga Shield ecozone. About 50 species of mammals can be found in this ecozone. How many species of mammals in Canada live outside the Taiga Shield ecozone?

- a)** Estimate an answer. Will it be larger or smaller than 50? \_\_\_\_\_  
What is your estimate? \_\_\_\_\_

- b)** What operation will you perform on the two numbers? \_\_\_\_\_

- c)** Try the computation. Circle your answer.

- d)** Is this answer reasonable? YES NO

If not, try another operation until you get a reasonable answer. Show your work below. Clearly indicate what the final answer is.