Chapter 6 Math Link Introduction

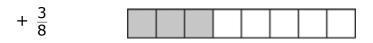
This worksheet will help you with the Math Link on page 197.

Read the introduction to the Math Link.

1. The sum of two fractions can be represented using diagrams. For example,

$$\frac{1}{4} + \frac{3}{8} =$$





$$=\frac{5}{8}$$

Represent the sum of the Pacific Marine ecozone ($\frac{1}{10}$ of the length of Canada's coastline) and the Northwest Atlantic ecozone ($\frac{1}{5}$ of the length of Canada's coastline) with a diagram. What is the sum?

- 2. The sum of two fractions can also be found using common denominators.
 - **a)** What is a common denominator for $\frac{1}{10}$ and $\frac{1}{5}$?
 - **b)** Add the fractions using that common denominator.

$$\frac{1}{10} + \frac{1}{5} = \boxed{} = \boxed{}$$

3. The Montane Cordillera ecozone covers $\frac{1}{21}$ of Canada. The Northern Arctic ecozone covers $\frac{1}{7}$ of Canada. What total fraction of Canada do these two ecozones cover? Show your work.

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		BLM 6-1 (continued)	
	 The Prairies ecozone covers the provinces of Alta Manitoba. About ¹/₂ of the area is in Saskatchew is in Alberta. What fraction of the area is in Manto answer the question. a) What fraction represents the combined areas Saskatchewan? Show your diagram or work. 	van, and about $\frac{1}{3}$ of the area nitoba? Follow the steps below	
	b) Write a mathematical statement using your the fraction of the area that is in Manitoba. Evaluate your expression.	answer to part a) to represent	