

Section 6.4 Math Link

This worksheet will help you with the Math Link on page 221.

1. Calculate the product of $\frac{3}{4}$ and $2\frac{1}{2}$ by using partial areas of rectangles. Show the diagrams below. What is the product? _____

2. Find the product of $\frac{3}{4}$ and $2\frac{1}{2}$ by expressing $2\frac{1}{2}$ as an improper fraction and then applying the rule on pages 218 and 219 of the student resource.

What is the rule? _____

Show your work below.

What is the product? _____

3. Which method do you prefer? Explain why.

4. The Hudson Plains ecozone contains most of Canada's wetlands and covers about $\frac{1}{26}$ of the area of Canada. The Northern Arctic ecozone is one of the world's largest Arctic ecosystems and is about $3\frac{9}{10}$ times as big as the Hudson Plains ecozone. What fraction of the area of Canada does the Northern Arctic ecozone cover?

Use one of the methods above to find the product of $\frac{1}{26}$ and $3\frac{9}{10}$. If you are using a diagram, sketch it below. If you are using the rule, show your work below. What is the product? _____