## Divide a Unit Fraction by a Whole Number

1. Write a story context to illustrate three of the following problems:
a) $\frac{1}{2} \div 4$
b) $\frac{1}{3} \div 5$
C) $\frac{1}{3} \div 4$
d) $\frac{1}{2} \div 5$
2. Determine each quotient using a diagram. Show and explain your work.
3. Use the relationship between multiplication and division to check your work.

Example: $\frac{1}{2} \div 3$ A jug of water is $\frac{1}{2}$ full. If 3 children equally share the water, what fraction of the full jug does each child get?
To solve this problem I drew a rectangle and shaded $\frac{1}{2}$. I drew a congruent rectangle and divided each half into 3 equal pieces. I shaded $\frac{3}{6}$ of this rectangle to represent the 3 children. Each child will get one shaded piece or $\frac{1}{6}$ of the full jug of water. $\frac{1}{2} \div 3=\frac{1}{6} \quad$ or $\frac{1}{6} \times 3=\frac{1}{2}$

