

Multiplying with Mixed Numbers in Word Problems

Name: _____

Solve each problem.

- 1 Neil has $2\frac{1}{4}$ pounds of apples. He uses $\frac{2}{3}$ of the apples to make pies. How many pounds of apples does Neil use to make pies?
- 2 Kathy is riding her bike $1\frac{3}{5}$ miles to her friend's house. She has already traveled $\frac{7}{8}$ of the distance. How far has Kathy already traveled?
- 3 Keisha spent $3\frac{1}{3}$ hours at the science museum. She spent $\frac{2}{5}$ of that time in the planetarium. How much time did Keisha spend in the planetarium?
- 4 Javier is planting a rectangular garden that will be $7\frac{1}{2}$ yards long and 1 yard wide. He will plant $\frac{1}{5}$ of the garden with tomatoes. How many square yards of the garden will be planted with tomatoes?
- 5 Ed has two dogs. The smaller dog weighs $8\frac{1}{3}$ pounds. The larger dog weighs $1\frac{1}{2}$ times as much as the smaller dog. How much does the larger dog weigh?
- 6 Shane designed a rectangular mural that is $2\frac{3}{4}$ yards long and $1\frac{1}{3}$ yards high. What is the area in square yards of the mural?
- 7 How could you use an area model to solve problem 4?