Multiplying Fractions Word Problems #2

Example Problem

A bag of potatoes weighs $\frac{3}{4}$ of a kilogram. If Susan buys 5 bags of potatoes, how much will they weigh?

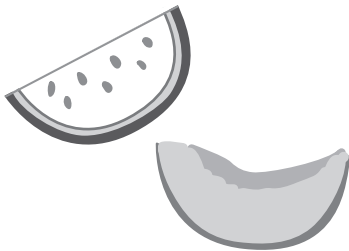$$\frac{3}{4} \times 5 = \frac{3 \times 5}{4} = \frac{15}{4} \text{ or } 3\frac{3}{4}$$

Answer: $3\frac{3}{4}$ kilograms

Directions: Follow the steps in the example box when you solve the following word problems. Be sure to show your work and label your answers.
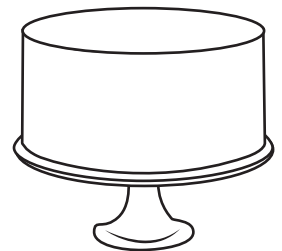
1. Two thirds of Mrs. Nikkel's class prefer chocolate ice cream to vanilla. She has 30 students in her class. How many students prefer chocolate?

2. A cantaloupe weighs $\frac{1}{2}$ pound. A watermelon weighs 4 times as much as the cantaloupe. How much does the watermelon weigh?

3.
   A cake recipe calls for $\frac{1}{4}$ of a cup of cocoa powder. If you need to make 5 cakes, how many cups of cocoa powder do you need?

Challenge

4. Mike runs $\frac{5}{8}$ of a mile in 5 minutes. Sharon can run twice as fast as Mike. How many miles can Sharon run in 5 minutes?