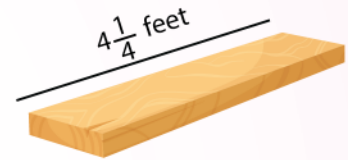# Solve the following word problems

1. A recipe calls for $2\frac{1}{2}$ cups of flour to make a cake. If you want to make 3 cakes, how much flour do you need?

2. A piece of wood is $4\frac{1}{4}$ feet long. If you need 6 pieces of the same length, how much wood do you need?
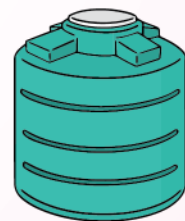
3. A farmer has a field that is $3\frac{3}{4}$ acres. If he plants corn in $\frac{2}{3}$ of the field, how many acres of corn will he have?

4. If a car travels $2\frac{1}{2}$ miles in $\frac{1}{4}$ hour, how far will it travel in 2 hours?

5. A water tank is $5\frac{1}{2}$ feet long, $3\frac{1}{4}$ feet wide, and $4\frac{1}{2}$ feet tall. What is the volume of the tank?

1. A pizza recipe calls for $2\frac{3}{4}$ cups of cheese. If you want to make 4 pizzas, how much cheese do you need?

2. A carpenter needs to cut 5 pieces of wood that are $2\frac{1}{2}$ feet long. How much wood does he need if he buys 10-foot pieces of wood?

3. A recipe calls for $3\frac{1}{2}$ tablespoons of sugar to make 1 serving of cookies. If you want to make 6 servings, how much sugar do you need?

4. If a car uses $3\frac{1}{2}$ gallons of gas to travel 95 miles, how much gas will it use to travel 420 miles?

5. A room is $12\frac{1}{2}$ feet long and $9\frac{1}{4}$ feet wide. What is the area of the room?

1. A pool is 20 $\frac{3}{4}$ feet long, 15 $\frac{1}{2}$ feet wide, and 5 feet deep. What is the volume of the pool?

2. A jar contains 2 $\frac{1}{2}$ cups of flour. If you use $\frac{1}{3}$ of the flour to make pancakes, how much flour did you use?
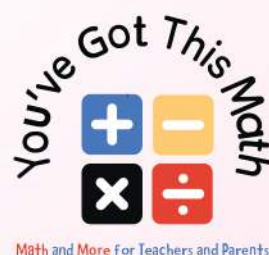
3. A construction worker needs to cut 7 pieces of rebar that are each 3 $\frac{1}{2}$ feet long. How much rebar does he need if he buys 20-foot pieces of rebar?

4. A truck travels 2 $\frac{1}{4}$ miles in $\frac{1}{3}$ hour. How far will it travel in 6 hours?

5. A recipe calls for 2 $\frac{1}{2}$ cups of milk to make 1 serving of pudding. If you want to make 8 servings, how much milk do you need?