

1. You are making brownies for a bake sale.

Each batch of brownies requires one box of brownie mix, 1/4 cup oil, 1/2 cup water, and 2 eggs.

You have 12 boxes of brownie mix, 12 cups of oil, 12 cups of water, and 12 eggs.

How many batches of brownies can you make? **SHOW YOUR WORK!**

**USING CONVERSION FACTORS**

**WITHOUT CONVERSION FACTORS**

<b>MIX</b>		
<b>CUPS OF OIL</b>		
<b>CUPS OF WATER</b>		
<b>EGGS</b>		

Using either method, the most batches that can be made depends on which ingredient will make the least number of batches – which ingredient will run out first.

2. You are making goody bags for you little sister's birthday party.

Each goody bag has 6 pieces of candy, 1 noisemaker, 3 stickers, 1 bouncy ball, 5 tiny containers of play dough, and 2 tiny containers of bubbles.

Your mom has purchased 48 pieces of candy, 6 noisemakers, 54 stickers, 12 bouncy balls, 35 tiny containers of play dough, and 35 tiny containers of bubbles.

How many goody bags can you make? **SHOW YOUR WORK!**

**USING CONVERSION FACTORS**

**WITHOUT CONVERSION FACTORS**

<b>PIECES CANDY</b>		
<b>NOISEMAKER</b>		
<b>STICKERS</b>		
<b>BOUNCY BALL</b>		
<b>PLAY DOUGH</b>		
<b>BUBBLES</b>		

questions continued on next page

3. You are going into the business of making pizzas. The following is the list of ingredients to make ONE pizza:

400 g flour	50 mL water	10 g yeast	120 g sauce
250 g cheese	5 g oregano	5 g basil	

Your business has purchased 500 pizza pans, 60 kg of sauce, 100 kg of cheese, 2.5 kg of basil, 2.5 kg of oregano, 5 kg of yeast, and 200 kg of flour. You have as much water as you need. How many pizzas can you make?  
**SHOW YOUR WORK ON THE BACK OF THIS PAGE!**

**USING CONVERSION FACTORS**

**WITHOUT CONVERSION FACTORS**

	USING CONVERSION FACTORS	WITHOUT CONVERSION FACTORS
<b>PANS</b>		
<b>SAUCE</b>		
<b>CHEESE</b>		
<b>BASIL</b>		
<b>OREGANO</b>		
<b>YEAST</b>		
<b>FLOUR</b>		