MY Homework

Lesson 9

Hands On: Subtract Decimals Using Models
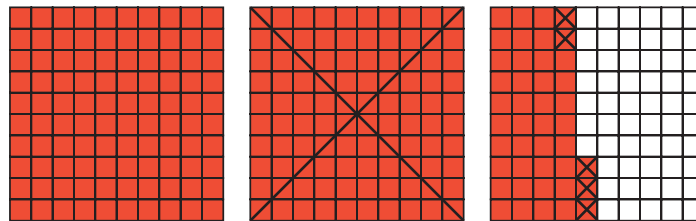
Homework Helper

eHelp

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Marcy measured the lengths of two insects. The first insect was 2.43 centimeters long. The second insect was 1.05 centimeters long. What is the difference between the lengths of the two insects?

Find 2.43 - 1.05.

1 Use 10-by-10 grids to model 2.43.

To show 2.43, shade two grids and forty-three hundredths of a grid.

Forty-three hundredths is equal to 43 small squares.

2 Subtract 1.05.

To subtract 1.05, cross out 1 whole grid and 5 hundredths of the third grid.

3 Count the remaining shaded squares.

There is 1 one.

There are 3 tenths.

There are 8 hundredths.

So, 2.43 − 1.05 = 1.38.

The difference in the lengths of the two insects is 1.38 centimeters.

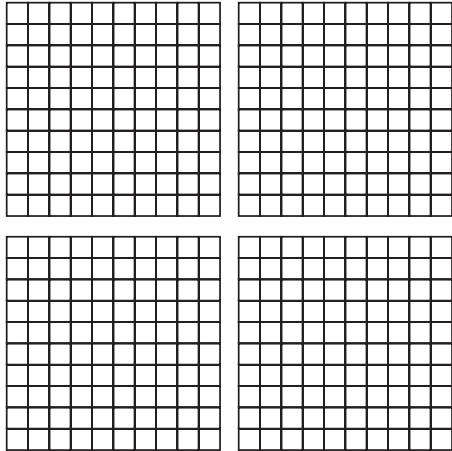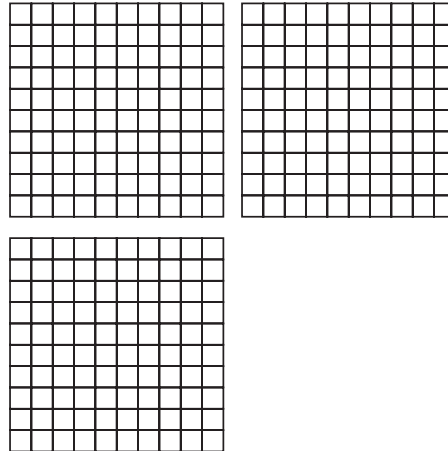**Check** Use addition to check your answer.

$$1.05 + 1.38 = 2.43$$

> **Helpful Hint**
>
> 1 one, 3 tenths, and 8 hundredths is equal to 1.38.

Practice

Subtract. Use decimal models.

1. $3.8 - 2.3 =$ _____

2. $2.13 - 1.7 =$ _____

Problem Solving

3. Bridget is reviewing a nutrition label. She wants to find the difference between the amount of grams of saturated fat and protein. How many more grams are there of saturated fat than protein? Draw decimal models to find the difference.

Nutrition Facts	
Serving Size: 1 tbsp (15 g)	
Amount Per Serving	
Calories 190 **Calories from Fat** 1	
	% Daily Value*
Total Fat 1.48 g	0%
Saturated Fat 1.08 g	0%
Trans Fat	
Cholesterol 0 mg	0%
Sodium 164.4 mg	7%
Potassium 1.4 mg	0%
Total Carbohydrate 5.17 g	2%
Dietary Fiber 0.48 g	2%
Sugars	
Sugar Alcohols	
Protein 0.49 g	

4. **Mathematical PRACTICE 5** **Use Math Tools** Leanne is building a model tower that needs to be 1.42 meters tall. The model currently is only 0.68 meter tall. How many more meters does she need to build in order to finish the model tower? Draw decimal models to find the difference.