

Name: \_\_\_\_\_ **Unit 2B Study Guide**

This study guide is a homework assignment designed to prepare you for the Unit 2B test this week. **Show your work for each problem.** **Attach notebook paper if needed.** Use homeworkkook to check your answers.

1. The fifth graders collected **5.35 pounds more** aluminum cans than the sixth graders collected. Select the values that could represent how many pounds each grade collected. Choose **all** that apply. (*That means there could be more than one correct answer.*)

- Fifth graders: 12.75 pounds, Sixth graders: 7.4 pounds
- Fifth graders: 9 pounds, Sixth graders: 4.35 pounds
- Fifth graders: 10.25 pounds, Sixth graders: 4.9 pounds
- Fifth graders: 13.6 pounds, Sixth graders: 8.25 pounds

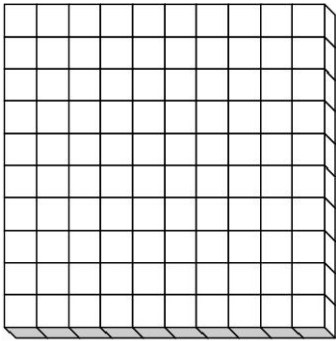
2. Ayden worked on his science fair project for 1.5 hours on Saturday and 1.25 hours on Sunday. How many hours did he work on the project in all?

3. Ema has \$20. She spends \$7.25 on a movie ticket, \$3.95 on popcorn and \$1.75 on a soda. How much money does she have left?

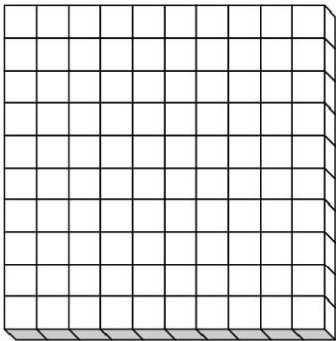
4. Solve in two steps:

What is 6 tenths minus 2 hundredths?

**Explain** your answer using a base 10 model.

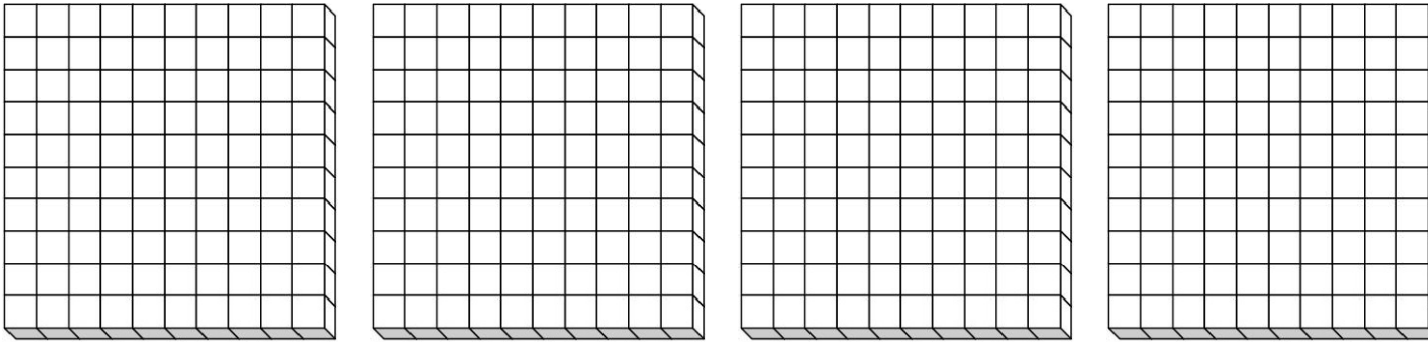


5. Shade the model below to represent the expression  $0.07 \times 4$ .



6. Nicolas is making a shelf out of wood for his football collection. He is using **6 pieces** of wood that are each **4.25 feet long**. What is the total length of his shelf?

7. Use the base ten block models to show  $3.2 \div 8$ .



8. Keira has a spool of ribbon that is 25.5 yards long. She will cut the ribbon into 5 equal pieces to make decorations. What is the length of each piece of ribbon?

$$5 \overline{) 25.5}$$

9. Yes or No?

$$0.28 / 0.04 = 0.7$$

Yes

No

$$0.8 / 0.02 = 40$$

Yes

No

10. Tony works at a pizza shop. He earns **\$123.50 per week** folding boxes.

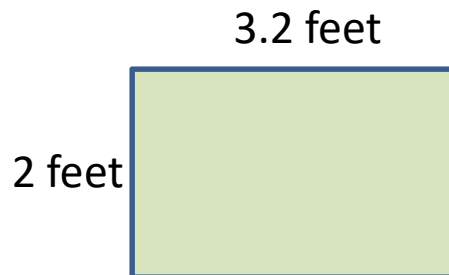
How much would he earn in **a month**? (4 weeks in a month)

How much would he earn per day if he worked 5 days a week?

11. **Area** = Length x Width

**Perimeter** = adding up all the sides

Find the area and the perimeter of the rectangle to the right.  
Follow the example.



Area:  $L \times W$   
3.2 feet X 2 feet  
6.4 feet squared or  
6.4 ft<sup>2</sup>

Perimeter:  $L + W + L + W$   
3.2 + 2 + 3.2 + 2  
10.4 feet

