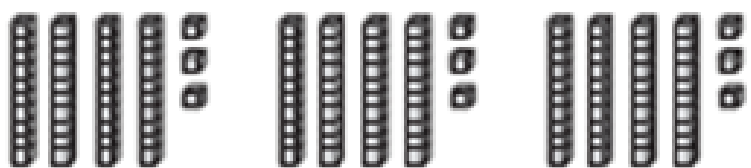


Grade 6 – Unit 5: Numbers less than 0.001 and Multiplication

1. What multiplication is being shown?

a.

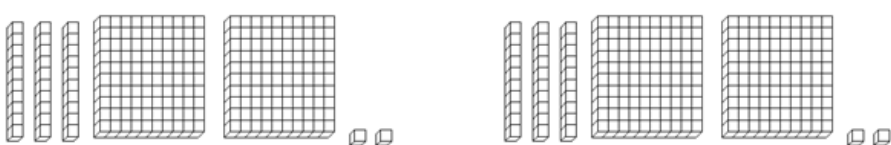


_____ X _____ = _____

Legend

 represents 0.01

b.

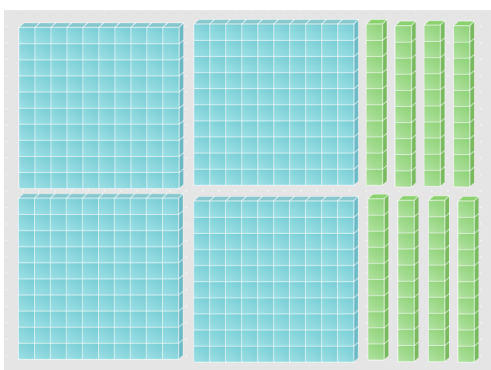


_____ X _____ = _____

Legend

 represents 0.01

c.



Legend

 represents 0.01

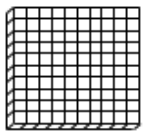
_____ X _____ = _____

Name _____ Date _____

2. Solve the multiplication of 3×0.41 by drawing a picture and using a personal strategy.

Draw your answer using dots for the small cube, sticks for the rods, and squares for the flats as shown in this chart. Make a small cube represent 0.01.

Legend	
	represents 0.01

Base-ten blocks	Draw it like this
Small cube 	•
Rod 	
Flat 	

3 X 0.41	
Picture	Personal Strategy

Name _____ Date _____

3. Taylor bought 3 kg of oranges. The cashier told him that the total for 3 kg of oranges that cost \$3.79/kg was \$13.97. How did Taylor use estimation to know that the cashier had made a mistake?

4. Estimate the product to determine the correct placement of the decimal. Record your thinking and rewrite the product with the decimal in the correct location.

$3 \times 14.82 = 4446$	$15.46 \times 7 = 10822$

Name _____ Date _____

5. Create a story problem for the expression 4.25×8 . Solve the story problem.