	Multiplying Decimals Name:		
Solve each problem.			
Ex)	A industrial machine uses 0.5 of a meter of thread to make a full size towel. If a smaller towel takes 0.15 the amount of a full size towel, how much thread does a small towel take?	Ex. 0.075	
1)	A box of markers weighed 2.04 kilograms. If a teacher took out 0.8 of the markers, what is the weight of the markers she took out?	1. 2.	
2)	A bakery used 4 cups of flour to make a full size cake. If they wanted to make a cake that was 0.6 the size, how many cups of flour would they need?	3. 4.	
3)	An air freshener used 2.5 milliliters of perfume. If Janet wanted to make 2 air fresheners, how many milliliters of perfume would she use?	5	
4)	A full tub of water weighed 4.3 kilograms. If the tub were filled up only 0.6 full, how much would it weigh?	7.	
5)	At the animal shelter 0.54 of the animals are cats. Of the cats 0.1 are male. What amount of the animals at the shelter are male cats?	8. 9.	
6)	Luke stacked 2 pieces of wood on top of one another. If each piece was 0.1 of a meter tall, how tall was his pile?	10	
7)	Janet had a piece of thread exactly 3.17 yards long. After doing some sewing, she had 0.2 the original amount left. How much does she have left?		
8)	When Janet charges her 3DS fully it lasts for 3 hours. If she only charged it 0.7 full, how long would it last?		
9)	A soda shop owner told his employee to add 2.8 cups of syrup to each liter of soda. If there were 3 liters of soda, how much syrup would be needed?		
10)	A batch of fried chicken required 2.4 liters of oil. If a fast food restaurant was making 2.1 batches, how much oil would they need?		

	Multiplying Decimals Name: 4	Answer Key	
Solve each problem. <u>Answers</u>			
Ex)	A industrial machine uses 0.5 of a meter of thread to make a full size towel. If a smaller towel takes 0.15 the amount of a full size towel, how much thread does a small towel take?	Ex	
1)	A box of markers weighed 2.04 kilograms. If a teacher took out 0.8 of the markers, what is the weight of the markers she took out?	1. <u>1.632</u> 2 <u>2.4</u>	
2)	A bakery used 4 cups of flour to make a full size cake. If they wanted to make a cake that	t 3. 5.	
	was 0.6 the size, how many cups of flour would they need?	4. 2.58	
3)	An air freshener used 2.5 milliliters of perfume. If Janet wanted to make 2 air fresheners how many milliliters of perfume would she use?	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
4)	A full tub of water weighed 4.3 kilograms. If the tub were filled up only 0.6 full, how much would it weigh?	7. 0.634	
5)	At the animal shelter 0.54 of the animals are cats. Of the cats 0.1 are male. What amount of the animals at the shelter are male cats?	8. <u>2.1</u> 9. <u>8.4</u>	
6)	Luke stacked 2 pieces of wood on top of one another. If each piece was 0.1 of a meter ta how tall was his pile?	10. <u>5.04</u>	
7)	Janet had a piece of thread exactly 3.17 yards long. After doing some sewing, she had 0. the original amount left. How much does she have left?	2	
8)	When Janet charges her 3DS fully it lasts for 3 hours. If she only charged it 0.7 full, how long would it last?	,	
9)	A soda shop owner told his employee to add 2.8 cups of syrup to each liter of soda. If there were 3 liters of soda, how much syrup would be needed?		
10)	A batch of fried chicken required 2.4 liters of oil. If a fast food restaurant was making 2. batches, how much oil would they need?	1	

Math

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