## 9/12/2024 – Decimal Operations

**Review of Unit 1 for Grade 6 Math (6R and 6A) – Fun theme: Money** Questions to follow along with show. Watch: <u>Math Homework Hotline</u>

1)	Find each sum:	2) Find each difference:
	a. 0.4 + 0.88	a. 0.88 - 0.4
	b. \$1.30 + \$0.90	b. \$1.30 - \$0.90
3)	Find each product:	4) Find each quotient:
	a. 0.4 × 0.88	a. 0.4 ÷ 0.88
	b. \$1.30 × \$0.90	b. \$1.30 ÷ \$0.90
5)	Sarah bought 3.5 pounds of apples at \$2.75 per pound and 2.25 pounds of oranges at \$1.80 per pound. How much did she spend in total?	6) Tom has \$50 and wants to buy movie tickets for his friends. Each ticket costs \$8.75, and he also wants to buy a large popcorn for \$6.50. How many tickets can he buy, and how much money will he have left?
7)	John wants to buy a new bicycle that costs \$189.99. He has already saved \$75.25. If he can save \$12.50 per week, how many weeks will it take him to have enough money to buy the bicycle?	<ul> <li>8) A bakery offers various options for buying cookies:</li> <li>&gt; Batch of 6 cookies for \$7.99</li> <li>&gt; Batch of 12 cookies for \$12.99</li> <li>&gt; Batch of 18 cookies for \$16.99</li> </ul> For the class celebration, you need 13 cookies with as few extras as possible. Which batch (or batches) would you purchase if you can only purchase full or half batches of the listed options? What is the best price for these?

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9) Find the greatest common factor of 56 and 72.	10) Find the least common multiple of 9 and 15.
11) The lengths of two rectangles are 18 inches and 24 inches. What is the longest measuring stick that could be used to measure both lengths exactly?	12) A red light blinks every 8 seconds and a blue light blinks every 12 seconds. If they blink together at the start, after how many seconds will they blink together again?
<ul> <li>13) With your school's Wolf Bucks you have \$17 to spend during lunch in the school store. You get two cookies for \$1 each, a deck of cards for \$6, and a cool pencil for \$5. While you were in line, your math teacher awards you \$3 for being extra motivated this morning. How many Wolf Bucks do you now have after your purchase?</li> </ul>	14) Emma saved \$3.50 per week for 8 weeks. She then spent 1/4 of her savings on a book and 1/3 of the remainder on a gift for her friend. How much money does she have left?