


Math 6 – Review of Units 1 - 3

Get a **CLUE**

Name: _____

Class Period: 1 2 3 4 Date: _____

Solve each problem. Then, check the answers on the back to eliminate suspects and clues.

<p>Who?</p>	<p>1) Find the GCF of 72 and 96.</p>	<p>2) What is the ratio of squares to diamonds?</p> 	<p>3) If $m = 5$, evaluate $6m^2 - m + 7m$</p>
<p>A Boomer Cardi B Jonas Brothers Lebron James Liza Koshy Pewdiepie Ryan Kaji Smudge the Cat</p>	<p>4) What is the LCM of 12 and 10?</p>	<p>5) Per ounce, how much more is the unit price for Pepsi than the unit price for Coke?</p> <div style="border: 1px solid green; padding: 2px; width: fit-content;"> <p>12-oz. Pepsi = \$1.08 15-oz Coke = \$1.20</p> </div>	<p>6) 15 more than x squared</p>
<p>Where?</p>	<p>7) Gas costs \$2.85 per gallon. If Vinny bought 31.6 gallons, how much did he spend?</p>	<p>8) 30 is 75% of what number?</p>	<p>9) Simplify: $2(7x + 6)$</p>
<p>Big Chicken Cumberland Mall Math Class Mercedes-Benz Stadium SEC Championship Game Space Station Spelling Bee X-drenaline</p>	<p>10) If you're buying a magazine for \$4.50 and a candy bar for \$1.29, how much change will you receive from a \$10 bill?</p>	<p>11) Your bill at Longhorn is \$55. You're going to give your server a 20% tip. What is 20% of 55?</p>	<p>12) Evaluate s^3 if $s = \frac{2}{5}$</p>
<p>What?</p>	<p>13) Evaluate $26 \div 0.13$</p>	<p>14) If it takes 2 hours to read 50 pages, how long will it take to read 225 pages?</p>	<p>15) Simplify: $4(8x + 1) + 6 - 2x$</p>
<p>Ate all the Popeye's chicken sandwiches Broke the internet Got locked inside a locker Hid stink bombs Made a cringy YouTube video Planning a raid of Area 51 Sank a submarine Wrote you a "Secret Admirer" letter</p>	<p>16) A 30-mile section of highway has mile marker signs every $\frac{1}{4}$ mile. How many mile markers are on the highway?</p>	<p>17) If there are 16 ounces in 1 pound, how many pounds are equal to 240 ounces?</p>	<p>18) What is the value of "9 cubed?"</p>
	<p>19) $9 \frac{1}{4} \div 4 \frac{1}{2}$</p>	<p>20) 1,000 mL = 1 L How many mL are in 20 Liters?</p>	<p>21) Which expression does NOT equal $30x + 40$? $10(3x + 4)$ $40 + 30x$ $2(15x + 40)$</p>

Who? _____ Where? _____ What? _____

Find your answers below to eliminate people, places and activities to determine who did the crime, where they did it and what they did.

<p>A Boomer</p> <p>\$90.06</p>	<p>Cardi B</p> <p>\$0.01</p>	<p>Jonas Brothers</p> <p>2 to 3</p>
<p>Lebron James</p> <p>\$4.21</p>	<p>Liza Koshy</p> <p>729</p>	<p>Pewdiepie</p> <p>180</p>
<p>Ryan Kaji</p> <p>200</p>	<p>Smudge the Cat</p> <p>45</p>	<p>Big Chicken</p> <p>$x^2 + 15$</p>
<p>Cumberland Mall</p> <p>$30x + 10$</p>	<p>Math Class</p> <p>$2(15x + 40)$</p>	<p>Mercedes-Benz Stadium</p> <p>$\frac{8}{125}$</p>
<p>SEC Championship Game</p> <p>120</p>	<p>Space Station</p> <p>9</p>	<p>Spelling Bee</p> <p>$3\frac{1}{2}$</p>
<p>X-drenaline</p> <p>$2\frac{1}{18}$</p>	<p>Ate all the Popeye's chicken sandwiches</p> <p>$2(15 + x)$</p>	<p>Broke the internet</p> <p>$14x + 12$</p>
<p>Got locked inside a locker</p> <p>20,000</p>	<p>Hid stink bombs</p> <p>15</p>	<p>Made a cringy YouTube video</p> <p>\$11</p>
<p>Planning a raid of Area 51</p> <p>24</p>	<p>Sank a submarine</p> <p>60</p>	<p>Wrote you a "Secret Admirer" letter</p> <p>40</p>


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Solve each problem. Then, check the answers on the back to eliminate suspects and clues.

<p>Who?</p> <p>A Boomer Cardi B Jonas Brothers Lebron James Liza Koshy Pewdiepie Ryan Kaji Smudge the Cat</p>	<p>1) Find the GCF of 72 and 96.</p> <p style="text-align: center;">24</p>	<p>2) What is the ratio of squares to diamonds?</p>  <p style="text-align: center;">2 to 3</p>	<p>3) If $m = 5$, evaluate $6m^2 - m + 7m$</p> <p style="text-align: center;">180</p>
	<p>4) What is the LCM of 12 and 10?</p> <p style="text-align: center;">60</p>	<p>5) Per ounce, how much more is the unit price for Pepsi than the unit price for Coke?</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> <p>12-oz. Pepsi = \$1.08 15-oz Coke = \$1.20</p> </div> <p style="text-align: center;">\$0.01</p>	<p>6) 15 more than x squared</p> <p style="text-align: center;">$x^2 + 15$</p>
<p>Where?</p> <p>Big Chicken Cumberland Mall Math Class Mercedes-Benz Stadium SEC Championship Game Space Station Spelling Bee X-drenaline</p>	<p>7) Gas costs \$2.85 per gallon. If Vinny bought 31.6 gallons, how much did he spend?</p> <p style="text-align: center;">\$90.06</p>	<p>8) 30 is 75% of what number?</p> <p style="text-align: center;">40</p>	<p>9) Simplify: $2(7x + 6)$</p> <p style="text-align: center;">$14x + 12$</p>
	<p>10) If you're buying a magazine for \$4.50 and a candy bar for \$1.29, how much change will you receive from a \$10 bill?</p> <p style="text-align: center;">\$4.21</p>	<p>11) Your bill at Longhorn is \$55. You're going to give your server a 20% tip. What is 20% of 55?</p> <p style="text-align: center;">\$11</p>	<p>12) Evaluate s^3 if $s = \frac{2}{5}$</p> <p style="text-align: center;">$8/125$</p>
<p>What?</p> <p>Ate all the Popeye's chicken sandwiches</p> <p>Broke the internet Got locked inside a locker Hid stink bombs Made a cringy YouTube video Planning a raid of Area 51 Sank a submarine Wrote you a "Secret Admirer" letter</p>	<p>13) Evaluate $26 \div 0.13$</p> <p style="text-align: center;">200</p>	<p>14) If it takes 2 hours to read 50 pages, how long will it take to read 225 pages?</p> <p style="text-align: center;">9</p>	<p>15) Simplify: $4(8x + 1) + 6 - 2x$</p> <p style="text-align: center;">$30x + 10$</p>
	<p>16) A 30-mile section of highway has mile marker signs every $\frac{1}{4}$ mile. How many mile markers are on the highway? 120</p>	<p>17) If there are 16 ounces in 1 pound, how many pounds are equal to 240 ounces?</p> <p style="text-align: center;">15</p>	<p>18) What is the value of "9 cubed?"</p> <p style="text-align: center;">729</p>
	<p>19) $9 \frac{1}{4} \div 4 \frac{1}{2}$</p> <p style="text-align: center;">$2 \frac{1}{18}$</p>	<p>20) 1,000 mL = 1 L How many mL are in 20 Liters?</p> <p style="text-align: center;">20,000</p>	<p>21) Which expression does NOT equal $30x + 40$?</p> <p style="text-align: center;">$2(15x + 40)$</p>

Who? Smudge the Cat Where? Spelling Bee

What? Ate all Popeye's

KEY

A Boomer \$90.06 7	Cardi B \$0.01 5	Jonas Brothers 2 to 3 2
Lebron James \$4.21 10	Liza Koshy 729 18	Pewdiepie 180 3
Ryan Kaji 200 13	Smudge the Cat 45	Big Chicken $x^2 + 15$ 6
Cumberland Mall $30x + 10$ 15	Math Class $2(15x + 40)$ 21	Mercedes-Benz Stadium $\frac{8}{125}$ 12
SEC Championship Game 120 16	Space Station 9 14	Spelling Bee $3 \frac{1}{2}$
X-drenaline $2 \frac{1}{18}$ 19	Ate all the Popeye's chicken sandwiches $2(15 + x)$	Broke the internet $14x + 12$ 9
Got locked inside a locker 20,000 20	Hid stink bombs 15 17	Made a cringy YouTube video \$11 11
Planning a raid of Area 51 24 1	Sank a submarine 60 4	Wrote you a "Secret Admirer" letter 40 8