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.

Who? A Boomer Cardi B Jonas Brothers Lebron James Liza Koshy Pewdiepie Ryan Kaji Smudge the Cat	1) Find the GCF of 72 and 96.	2) What is the ratio of squares to diamonds?	3) If m = 5, evaluate $6m^2 - m + 7m$
	4) What is the LCM of 12 and 10?	5) Per ounce, how much more is the unit price for Pepsi than the unit price for Coke? 12-oz. Pepsi = $1.08 15-oz Coke = $1.20	6) 15 more than x squared
Where? Big Chicken Cumberland Mall Math Class Mercedez-Benz Stadium SEC Championship Game Space Station Spelling Bee X-drenaline	7) Gas costs $2.85 per gallon. If Vinny bought 31.6 gallons, how much did he spend?	8) 30 is 75% of what number?	9) Simplify: 2(7x + 6)
	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?	11) Your bill at Longhorn is $55. You're going to give your server a 20% tip. What is 20% of 55?	12) Evaluate s^3 if s = $\frac{2}{5}$
What? 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	13) Evaluate 26 ÷ 0.13	14) If it takes 2 hours to read 50 pages, how long will it take to read 225 pages?	15) Simplify: 4(8x + 1) + 6 – 2x
	16) A 30-mile section of highway has mile marker signs every ¼ mile. How many mile markers are on the highway?	17) If there are 16 ounces in 1 pound, how many pounds are equal to 240 ounces?	18) What is the value of "9 cubed?"
	19) 9 ¼ ÷ 4 ½	20) 1,000 mL = 1 L How many mL are in 20 Liters?	21) Which expression does NOT equal 30x + 40? 10(3x + 4) 40 + 30x 2(15x + 40) 5(6x + 8)

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.

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

Math 6 – Review of Units 1 - 3

Get a CLUE

Name: **KEY**

Class Period: 1   2   3   4   Date: _____

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

Who?		
A Boomer Cardi B Jonas Brothers Lebron James Liza Koshy Pewdiepie Ryan Kaji ==Smudge the Cat==	**1)** Find the GCF of 72 and 96. **24**	**2)** What is the ratio of squares to diamonds? **2 to 3**	**3)** If m = 5, evaluate $6m^2 - m + 7m$ **180**
Where?	**4)** What is the LCM of 12 and 10? **60**	**5)** Per ounce, how much more is the unit price for Pepsi than the unit price for Coke? 12-oz. Pepsi = $1.08 15-oz Coke = $1.20 **$0.01**	**6)** 15 more than x squared **$x^2 + 15$**
Big Chicken Cumberland Mall Math Class Mercedez-Benz Stadium SEC Championship Game Space Station ==Spelling Bee== X-drenaline	**7)** Gas costs $2.85 per gallon. If Vinny bought 31.6 gallons, how much did he spend? **$90.06**	**8)** 30 is 75% of what number? **40**	**9)** Simplify: 2(7x + 6) **14x + 12**
What?	**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? **$4.21**	**11)** Your bill at Longhorn is $55. You're going to give your server a 20% tip. What is 20% of 55? **$11**	**12)** Evaluate s^3 if $s = \frac{2}{5}$ **8/125**
==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	**13)** Evaluate 26 ÷ 0.13 **200**	**14)** If it takes 2 hours to read 50 pages, how long will it take to read 225 pages? **9**	**15)** Simplify: 4(8x + 1) + 6 – 2x **30x + 10**
	16) A 30-mile section of highway has mile marker signs every ¼ mile. How many mile markers are on the highway? **120**	**17)** If there are 16 ounces in 1 pound, how many pounds are equal to 240 ounces? **15**	**18)** What is the value of "9 cubed?" **729**
	19) 9 ¼ ÷ 4 ½ **2 1/18**	**20)** 1,000 mL = 1 L How many mL are in 20 Liters? **20,000**	**21)** Which expression does NOT equal 30x + 40? 10(3x + 4) 40 + 30x **2(15x + 40)** 5(6x + 8)

Who? ==Smudge the Cat== Where? ==Spelling Bee==   What? ==Ate all Popeye's==

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** $\dfrac{8}{125}$ — 12
SEC Championship Game 120 — 16	**Space Station** 9 — 14	**Spelling Bee** 3 ½
X-drenaline $2\dfrac{1}{18}$ — 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