MATH MYSTERY:
CASE OF THE SUPER BAD SUPERHERO

Date: _____

It is no secret that many superheroes reside on the island of Mathhattan. They usually help fight against crime and provide protection for us all. Sadly, something has changed and someone with superpowers is beginning to cause lots of trouble. This super bad superhero has begun to scare, intimidate and kidnap citizens! The police are powerless, and are unsure as to which superhero we can truly trust anymore...it could be any one of them! People no longer feel safe and are concerned this antihero is unstoppable.

Patrick, the Mayor of Mathhattan, addressed the public earlier this morning with the following speech:
"***Stay inside your homes, shut your windows and lock your doors, keep your phones handy for help and be wary of anyone wearing a mask. The MBI (Mathhattan Bureau of Investigation) and other secret sources have recently confirmed that this villain is actually one of who we call superheroes of Mathhattan. It is a mystery to us which superhero to trust and who we cannot. It is going to take some of our finest math detectives to work with the MBI on this serious case; no superhero can be involved. Hopefully, if we can discover who this terrible superhero is, we can put a stop to this chaos and release all of the captured citizens. Until we can reveal who is behind this, we ask that you hand over any evidence or information that you come across to help solve this mystery.***"

As the mayor stepped off the podium, a large puff of smoke blasted out of nowhere! As the smoke began to settle a shadowy silhouette took hold of the mayor and before anyone could do anything. . . "POOF!" They both disappeared. The Mayor is now a prisoner of this super bad superhero.

MATH DETECTIVE NEEDED TO REVEAL THE SUPER BAD SUPERHERO!

The chaos continues throughout the town; the disguised antihero is doing a good job at keeping his/her identity hidden while scaring and capturing citizens. Everyone in Mathhattan is counting on you to take a closer look at all those we call superheroes and unveil the phony! Upon discovery, alert the good superheros as to who the villain is so that they can help with the arrest and rescue the trapped mayor and citizens!

Be careful not to become a victim yourself!

Name: _____

POSSIBLE SUSPECTS

Superhero Name	Main Superpower	Extra Superpower	Gender M/F	Hair Color	Weakness
Lion Man	Super Speed	Shape Shifting	Male	Orange	Cookies
Dare Girl	Invisibility	Super Strength	Female	Purple	Silver
Mega Mage	Teleportation	Poisonous Burps	Male	Green	Cookies
Owl Man	Invisibility	Shape Shifting	Male	Purple	Sunlight
Blitzfire	Energy Blasts	Super Strength	Female	Orange	Silver
Thunder Hawk	Super Speed	Sonic Scream	Male	Purple	Sunlight
Razor	Energy Blasts	Sonic Scream	Male	Orange	Cookies
Starlight	Invisibility	Flight	Female	Green	Sunlight
Lady Bug	Teleportation	Shape Shifting	Female	Purple	Silver
The Giggler	Mind Control	Poisonous Burps	Male	Green	Cookies
Captain Nucleus	Super Speed	Flight	Male	Orange	Silver
Mrs. Amazing	Mind Control	Sonic Scream	Female	Purple	Sunlight
Doctor Bolt	Mind Control	Super Strength	Male	Orange	Silver
Splash	Energy Blasts	Poisonous Burps	Male	Orange	Cookies
Zapman	Teleportation	Flight	Male	Purple	Silver
Pizza Peter	Super Speed	Poisonous Burps	Male	Green	Sunlight
Titanicus	Energy Blasts	Super Strength	Male	Green	Cookies
Typhoon	Super Speed	Sonic Scream	Female	Orange	Silver
Blinker	Teleportation	Poisonous Burps	Female	Purple	Silver
Major Fury	Super Speed	Flight	Male	Green	Sunlight
Colossal Crush	Invisibility	Super Strength	Male	Green	Cookies

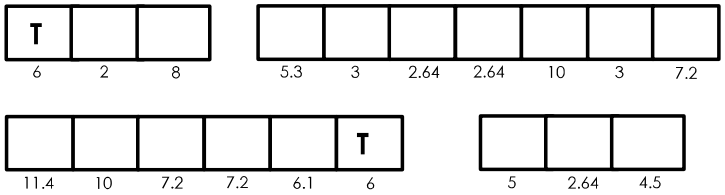
Solve the clues and then cross the suspect rows off the list until only one suspect remains! The last suspect remaining is the Super Bad Superhero behind the trouble in Mathhattan!
Whole rows must be eliminated at a time.

Name: _____

ROUNDING DECIMALS – CLUE 1

Discover an important clue by rounding the numbers as instructed. Use your answers to match and place the letters in the boxes to reveal the first clue. Put the letter in every box that it matches your answer in (there may be more than one!)

The first one has been done for you.



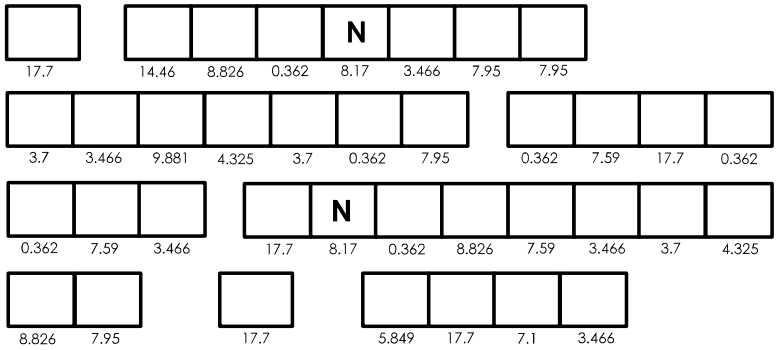
Question	Answer	Letter
What is 5.8 rounded to the nearest whole number?	6	T
What is 3.4 rounded to the nearest whole number?		I
What is 7.9 rounded to the nearest whole number		E
What is 10.1 rounded to the nearest whole number?		A
What is 4.51 rounded to the nearest whole number?		F
What is 2.09 rounded to the nearest whole number?		H
What is 7.16 rounded to the nearest tenth?		N
What is 4.54 rounded to the nearest tenth?		Y
What is 6.05 rounded to the nearest tenth?		O
What is 11.43 rounded to the nearest tenth?		C
What is 5.251 rounded to the nearest tenth?		V
What is 2.638 rounded to the nearest hundredth?		L

Name: _____

ADDING DECIMALS – CLUE 2

Solve another important clue by completing the addition questions. Use your answers to match and place the letters in the boxes to reveal the clue. Put the letter in every box that it matches your answer in (there may be more than one!)

The first one has been done for you.



7.12 + 1.05 = 8.17	4.61 + 3.34 =	5.97 + 1.62 =	1.63 + 2.07 =	8.29 + 9.41 =
N	S	H	R	A
2.944 + 1.381 =	5.723 + 3.103 =	3.451 + 0.015 =	7.938 + 1.943 =	6.462 + 7.998 =
O	I	E	P	W
0.357 + 0.005 =	4.875 + 2.225 =	1.709 + 4.140 =		
T	L	M		

Name: _____

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SUBTRACTING DECIMALS – CLUE 3

Solve another important clue by completing the subtraction questions. Use your answers to match and place the letters in the boxes to reveal the clue. Put the letter in every box that it matches your answer in (there may be more than one!)

The first one has been done for you.

	L	
4.453	6.05 4.453 0.709 0.26	1.797 4.453 0.324
	L		
4.453 3.91 6.05 4.501	1.85 1.17	0.324 3.325 4.453 3.56 4.501
1.17 2.645 2.645	1.85 2.551 4.501	
4.453 0.588 1.85 1.56 2.551 4.501 3.56 1.17	1.797 1.56 1.85 2.551	
3.325 1.17 1.17 4.108 1.56 4.501 0.324		

9.26 - 3.21 = ***6.05***	3.97 - 2.12 =	4.76 - 0.85 =	9.58 - 6.02 =	5.45 - 5.19 =	1.89 - 0.33 =
L	T	B	R	Y	I
8.215 - 6.418 =	7.276 - 4.631 =	2.046 - 1.722 =	6.904 - 2.451 =	2.799 - 0.248 =	4.65 - 1.325 =
W	F	S	A	H	C
1.27 - 0.561 =	6.591 - 2.483 =	0.904 - 0.316 =	7.542 - 3.041 =	8.789 - 7.619 =	
D	K	N	E	O	

Name: _____

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MULTIPLYING WITH DECIMALS – CLUE 4

Solve another important clue by completing the multiplication questions. Use your answers to match and place the letters in the boxes to reveal the clue. Put the letter in every box that it matches your answer in (there may be more than one!)

The first one has been done for you.

Y		
0.9 1.8 3.5	8.1 0.8 4 4.5	
4.2 0.3 1.2 2.4 4 4.5 4.2	1.8 8.1	
3.2 1.2 5.6 5.6 4	0.4 2.4 0.8 1.2	
0.6 0.4 5.6 1.2 5.6	0.3 0.4 5.6	
Y		
1 2.4 0.9 1.8 1.2	0.6 2.4 4.2	
0.3 2.4 4.9 5.6 4		

3 X 0.3 = **0.9**	4 X 0.2 =	2 X 0.3 =	9 X 0.5 =
Y	I	W	D
5 X 0.7 =	6 X 0.2 =	7 X 0.7 =	3 X 0.1 =
U	R	K	T
4 X 0.6 =	8 X 0.5 =	2 X 0.9 =	5 X 0.2 =
A	N	O	M
8 X 0.7 =	6 X 0.7 =	4 X 0.8 =	9 X 0.9 =
E	S	G	F
2 X 0.2 =			
H			

Name: _____

DIVISION (2-DIGIT DIVISORS) – CLUE 5

In the grid below you will find a number of statements being texted to you, however, only one of them is revealing the correct final clue. Complete the division questions, and then look for your answer in the statement boxes and cross out that box (meaning that the statement in that box has been eliminated). The one statement box left standing after completing all of the questions, is the one with the correct clue!

The super bad Superhero uses invisibility to shock people with sudden energy blasts coming out of nowhere. **121**	The super bad Superhero uses super strength to throw a magical trap on victims and then teleports them to a secret dungeon. **527**	The super bad Superhero casts icy energy blasts to make victims stick to the floor and uses mind control to make them walk back to wherever this strange imprisonment is. **88**	The super bad Superhero teleports behind victims and uses mind control to make them go to a prison of some sort. **11**
The super bad Superhero uses poisonous burps to weaken victims, then teleports to make a fast get away. **8**	The super bad Superhero uses super strength to lift cars with people in them and then uses the power of invisibility to make them disappear. **97**	The super bad Superhero uses invisibility to stealth through the streets and uses super strength to keep everyone away. **9**	The super bad Superhero uses electric energy blasts to destroy walls and then teleports victims inside to somewhere strange. **2**
The super bad Superhero uses poisonous burps to make people faint and then casts mind control to make them walk to the hidden prison. **6**	The super bad Superhero uses super speed to catch victims without no one else noticing, then teleports them somewhere secret. **1**	The super bad Superhero casts a sonic scream to stun everyone around, and then uses teleportation to make a quick get away. **432**	The super bad Superhero travels around like a bug and then shapeshifts into human form to cast poisonous burps on everyone.. **128**

76 ÷ 38 =_____ 5,270 ÷ 10 =_____ 86 ÷ 86 =_____

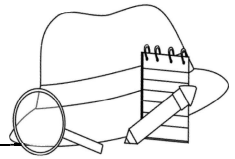
8,960 ÷ 70 =_____ 882 ÷ 98 =_____ 204 ÷ 34 =_____

594 ÷ 54 =_____ 2,783 ÷ 23 =_____ 7,776 ÷ 18 =_____

7,178 ÷ 74 =_____ 5,720 ÷ 65 =_____

SOLVE THE MYSTERY:
CASE OF THE SUPER BAD SUPERHERO

Detective



_____

(your name)

Has discovered that the super bad Superhero is:

_____

Clues Checklist:

Clue 1 ☐

Clue 2 ☐

Clue 3 ☐

Clue 4 ☐

Clue 5 ☐

Teacher to check and tick

☐ Well done! You have correctly revealed the identity of the Super Bad Superhero! Thanks to your brilliant math skills and detective work, the police were able to gather the real superheroes to help them capture the phony. Once they caught the antihero, all of the captured citizens were released from their imprisonment. All of the victims, including the Mayor, are very grateful for your help in setting them free and putting a stop to the Chaos in Mathhattan.

! ☐ Oops! No that is not the identity of the Super Bad Superhero Check your work and try again!