

# MATH MYSTERY:

## CASE OF THE DIVIDED DRAGONS

Date: \_\_\_\_\_



Three hundred years ago, the four great dragon leagues ended their war and made a peaceful pact. Instead, they began to work as a team in order to protect Mathhattan and its surrounding islands from an extremely mysterious and mighty magical underworld that lies beneath the surface. The Dragon Alliance have played a very important part towards keeping the strong forces of this powerful and unusual magic from being released into our realm.

Mathhattan's concern is on the rise as recent events reveal that the four dragon leagues are suddenly divided... they are at war once again. With the dragons not working together, the magical forces from the underworld will flow into ours and we are currently not protected. Larry the Wizard and Tabitha the Witch expressed that the Magical Elders' Council are extremely concerned by this division of the dragons. Larry exclaimed, **"There are magical forces that we must keep from our cliffs such as Mathhattan. What lurks beneath the surface of our regular world needs to be kept there, if our two realms collide it could be disastrous! Our magical powers won't stand a chance next to what exists down there, and we fear that with the dragons focusing their anger on one another, there is no one else strong enough to protect us."**

Sheldon the Shaman assisted by sending his magical winds into the underworld to get a better understanding of what is causing the dilemma amongst the dragons. He informed Larry and Tabitha, **"The winds whisper to me that the division is definitely happening due to something making the dragons angry with each other. The conflict is not just between the four leagues; it is also within the leagues themselves. The winds say that one of the dragons is behind it, but who and why is unknown. If we are to investigate this mystery, we will need to travel into the magical underworld ourselves to explore for clues."**

With the information Sheldon brought forward, Larry and Tabitha both agree that an investigation within the dragons needs to happen. Larry stated, **"If we can solve which dragon started this problem and why, we may be able to help resolve the issue and restore the dragon alliance before too much threatening magic is released into our realm."**

Larry, Tabitha and Sheldon are requesting the help of a great math detective to join them in their journey into the magical underworld to solve this mystery. Larry pleads, **"Please help us with this mystery, it is important that we help reunite the dragons to work as one."** Sheldon adds, **"We will keep you protected as you assist us with this case."**

**ATTENTION MATH DETECTIVE: YOU'VE BEEN SUMMONED INTO THE MAGICAL UNDERWORLD TO SOLVE THE CASE OF THE DIVIDED DRAGONS**

# POSSIBLE SUSPECTS

Suspect Dragon Name	Color of Scales	Dragon Type	League	What did they do to cause the conflict?	Motive
Dracoy The Destroyer	Blue	Arcane	The Champion Chasers	Stole the Grand Dragonian Diamond	Wants magic to be released everywhere
Sliverscale The Victorious	Green	Shadow	The Dragons of the Veil	Puffed a curse of conflict	Wants to be the new dragon leader
Sudreth The Powerful	Blue	Elemental	The Ancient Warriors	Destroyed the Alliance Banner	Wants magic to be released everywhere
Kyloth The Magnificent	Gold	Arcane	The Mystic Faction	Puffed a curse of conflict	Wants revenge on the other dragons
Kennioth The Warrior	Green	Elemental	The Ancient Warriors	Destroyed the Alliance Banner	Wants to be the new dragon leader
Galzra The Protector	Red	Shadow	The Champion Chasers	Puffed a curse of conflict	Wants magic to be released everywhere
Tavorth The Grumpy	Red	Arcane	The Dragons of the Veil	Stole the Grand Dragonian Diamond	Wants to be the new dragon leader
Lissoth The Reckless	Gold	Elemental	The Ancient Warriors	Destroyed the Alliance Banner	Wants revenge on the other dragons
Apophis The Calm	Green	Shadow	The Champion Chasers	Stole the Grand Dragonian Diamond	Wants magic to be released everywhere
Milirth The Challenger	Gold	Shadow	The Mystic Faction	Puffed a curse of conflict	Wants revenge on the other dragons.
Norruth The Great	Red	Elemental	The Ancient Warriors	Destroyed the Alliance Banner	Wants revenge on the other dragons
Cithyth The Eternal	Blue	Shadow	The Dragons of the Veil	Stole the Grand Dragonian Diamond	Wants to be the new dragon leader
Vanlith The Champion	Blue	Elemental	The Mystic Faction	Puffed a curse of conflict	Wants magic to be released everywhere
Dallarth The Fierce	Gold	Arcane	The Champion Chasers	Destroyed the Alliance Banner	Wants to be the new dragon leader
Favnir The Scary	Green	Shadow	The Ancient Warriors	Puffed a curse of conflict	Wants revenge on the other dragons
Parath The Mysterious	Gold	Elemental	The Ancient Warriors	Stole the Grand Dragonian Diamond	Wants magic to be released everywhere
Tiloth The Brave	Blue	Shadow	The Champion Chasers	Puffed a curse of conflict	Wants to be the new dragon leader
Ator The Clumsy	Red	Shadow	The Mystic Faction	Destroyed the Alliance Banner	Wants magic to be released everywhere

**Solve the clues and then cross the dragons off the list until only one dragon remains! The last dragon remaining is the one responsible for the divided Dragon Alliance!**

**Whole rows must be eliminated at a time.**



# DIVISION WITH MODELS – CLUE 1

Discover an important clue by completing the division questions below, use the models to help work out the answer. 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.*



T									
2	18	15	11	5	3	4	9		
9	5	3	11	7	4	8	3	4	
9	8	3	6	7	4	9			
							8	12	
	T								
12	2	8	10	10				T	
							8	2	12
14	10	3	1	15					

$6 \div 3 = \frac{2}{T}$

$8 \div 2 = \frac{N}{}$

$10 \div 2 = \frac{R}{}$

$12 \div 1 = \frac{S}{}$

$32 \div 4 = \frac{I}{}$

$5 \div 5 = \frac{C}{}$

$9 \div 3 = \frac{A}{}$

$21 \div 3 = \frac{O}{}$

$20 \div 2 = \frac{L}{}$

$36 \div 6 = \frac{M}{}$

$22 \div 2 = \frac{G}{}$

$27 \div 3 = \frac{D}{}$

$15 \div 1 = \frac{E}{}$

$36 \div 2 = \frac{H}{}$

$28 \div 2 = \frac{P}{}$



# DIVIDING BY 2s, 3s, 4s & 5s – CLUE 2

Discover an important clue by completing the division 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.*

5	30	12

			I				
1	9	9	3	1	15	11	12

6	1	15	15	12	8

I	
3	20

15	10	5

4	1	7	1	2	12	4

$$6 \div 2 = \underline{\quad\quad\quad}$$

**I**

$$14 \div 2 = \underline{\quad\quad\quad}$$

**M**

$$24 \div 2 = \underline{\quad\quad\quad}$$

**E**

$$12 \div 3 = \underline{\quad\quad\quad}$$

**D**

$$24 \div 3 = \underline{\quad\quad\quad}$$

**R**

$$15 \div 3 = \underline{\quad\quad\quad}$$

**T**

$$4 \div 4 = \underline{\quad\quad\quad}$$

**A**

$$40 \div 4 = \underline{\quad\quad\quad}$$

**O**

$$8 \div 4 = \underline{\quad\quad\quad}$$

**G**

$$30 \div 5 = \underline{\quad\quad\quad}$$

**B**

$$55 \div 5 = \underline{\quad\quad\quad}$$

**C**

$$45 \div 5 = \underline{\quad\quad\quad}$$

**L**

$$15 \div 1 = \underline{\quad\quad\quad}$$

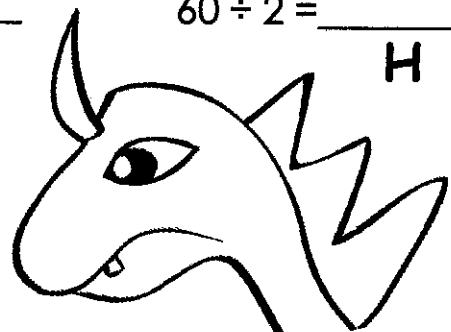
**N**

$$40 \div 2 = \underline{\quad\quad\quad}$$

**S**

$$60 \div 2 = \underline{\quad\quad\quad}$$

**H**





# DIVIDING BY 6s, 7s, 8s & 9s – CLUE 3

Discover an important clue by completing the division 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.*

	<b>N</b>		
10	1	6	3

2	100	12	11	10	8

					<b>N</b>	
11	7	12	50	10	1	2

		<b>N</b>
40	12	1

40	7	9	12	4	9

40	5	7	2	9	2

$$6 \div 6 = \frac{1}{\mathbf{N}}$$

$$42 \div 6 = \frac{\quad}{\mathbf{R}}$$

$$54 \div 6 = \frac{\quad}{\mathbf{E}}$$

$$77 \div 7 = \frac{\quad}{\mathbf{D}}$$

$$21 \div 7 = \frac{\quad}{\mathbf{Y}}$$

$$84 \div 7 = \frac{\quad}{\mathbf{A}}$$

$$16 \div 8 = \frac{\quad}{\mathbf{S}}$$

$$32 \div 8 = \frac{\quad}{\mathbf{T}}$$

$$80 \div 8 = \frac{\quad}{\mathbf{O}}$$

$$45 \div 9 = \frac{\quad}{\mathbf{U}}$$

$$72 \div 9 = \frac{\quad}{\mathbf{W}}$$

$$54 \div 9 = \frac{\quad}{\mathbf{L}}$$

$$320 \div 8 = \frac{\quad}{\mathbf{C}}$$

$$450 \div 9 = \frac{\quad}{\mathbf{G}}$$

$$600 \div 6 = \frac{\quad}{\mathbf{H}}$$





# DIVISION WORD PROBLEMS – CLUE 4

Crack the code by answering the division word problems. Use your answers (numbers only) to match and place the letters in the boxes to reveal a clue given by a witness from last night. Put the letter in every box that it matches your answer in (there may be more than one!)

I	
---	--

4      11

I	
---	--

4      7

--	--	--

2      5      11

--

9

--	--	--	--

10      3      1      6

--	--	--	--	--	--

8      12      9      100      5      2

Kyloth took 12 magic rocks and arranged them in 3 even piles. How many magic rocks did Kyloth put in each pile?  
**4 magic rocks**      I

Galzra is packing dragon scales. He has 30 dragon scales and he divides the scales evenly among 5 boxes. How many dragon scales does Galzra put in each box?  
\_\_\_\_\_      E

There are 45 baby dragons who need to sleep in a cave. If each cave can hold 5 baby dragons, how many caves are needed for all of the baby dragons?  
\_\_\_\_\_      A

50 magical creatures are planning to use magic pods to travel to the Earth's surface. Each magic pod holds 10 creatures. How many magic pods are needed? \_\_\_\_\_ O

Sheldon bought 12 muffins for the trip and divided them into 4 equal bags. How many muffins did Sheldon put in each bag? \_\_\_\_\_ L

It takes Favnir 8 minutes to fly around the island of Mathhattan. How many laps can Favnir fly in 16 minutes?  
\_\_\_\_\_ N

Tabitha wrote 35 protection spells in her notebook. The notebook has 5 pages. If each page has the same number of spells, how many spells did Tabitha put on each page? \_\_\_\_\_ S

Larry makes 40 health potions and packs them equally into 4 bags. How many health potions are in each bag?  
\_\_\_\_\_ B

It takes Ator 6 minutes to polish a dragon scale. How many dragon scales can Ator clean in 72 minutes ? \_\_\_\_\_ R

Silverscale caught 77 fish during a 7 day hunt. If he caught the same number of fish each day, how many fish did Silverscale catch per day? \_\_\_\_\_ T

An enchanted boat can hold 4 people to cross the Forbidden River. If Sheldon, Larry, Tabitha and yourself need to cross the Forbidden River, how many enchanted boats will you need? \_\_\_\_\_ U

Lissoth distributed 48 dragon teeth evenly to 6 of his dragon friends. How many dragon teeth did each dragon friend get?  
\_\_\_\_\_ D

Peaches the fairy gifted you and your team 400 dragon diamonds. If they are split equally amongst 4 team members, how many dragon diamonds will each person receive? \_\_\_\_\_ G





# DIVIDING BY 10s, 11s & 12s – CLUE 5

In the grid below you will find a number of statements collected from several creatures of the magical underworld, however, only one of them is telling you 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!

<p>The guilty dragon belongs to The Dragons of the Veil league. He loves magic so much that he wants it to be released everywhere.</p> <p style="text-align: right;"><b>12</b></p>	<p>The dragon causing the division wants the current dragon leader to fail so that he can take his place.</p> <p style="text-align: right;"><b>9</b></p>	<p>The dragon culprit is in The Mystic Faction and wants revenge on the other dragons for teasing him.</p> <p style="text-align: right;"><b>10</b></p>	<p>The dragon responsible for the splitting up of the Dragon Alliance wants revenge on The Mystic Faction for excluding him from a hunt.</p> <p style="text-align: right;"><b>4</b></p>
<p>It is one of the dragons in The Champion Chasers league trying to use magic to take over the Earth's surface.</p> <p style="text-align: right;"><b>1</b></p>	<p>You will find the dragon who ruined the Dragon Alliance in The Ancient Warriors league.</p> <p style="text-align: right;"><b>8</b></p>	<p>One of green dragons has wanted to become the new dragon leader for a long time.</p> <p style="text-align: right;"><b>11</b></p>	<p>The Dragons of the Veil have been angry with the current dragon leader, so one of them decided to cause a problem to challenge the leadership position.</p> <p style="text-align: right;"><b>5</b></p>
<p>One of The Ancient Warriors wants revenge on the other dragons for not all equally helping out with tasks.</p> <p style="text-align: right;"><b>7</b></p>	<p>The dragon at fault wants to allow his magical creature friends of the underworld to live in the sunshine on the Earth's surface.</p> <p style="text-align: right;"><b>6</b></p>	<p>The dragon that needs to be charged for dividing the dragon allies has red scales.</p> <p style="text-align: right;"><b>3</b></p>	<p>The Ancient Warriors league have a member that really wants to be the new dragon leader so that he can change some of the rules.</p> <p style="text-align: right;"><b>2</b></p>

$50 \div 10 = \underline{\hspace{2cm}}$

$80 \div 10 = \underline{\hspace{2cm}}$

$120 \div 10 = \underline{\hspace{2cm}}$

$22 \div 11 = \underline{\hspace{2cm}}$

$44 \div 11 = \underline{\hspace{2cm}}$

$77 \div 11 = \underline{\hspace{2cm}}$

$12 \div 12 = \underline{\hspace{2cm}}$

$108 \div 12 = \underline{\hspace{2cm}}$

$36 \div 12 = \underline{\hspace{2cm}}$

$110 \div 10 = \underline{\hspace{2cm}}$

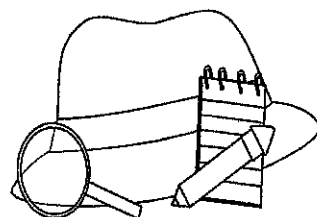
$66 \div 11 = \underline{\hspace{2cm}}$



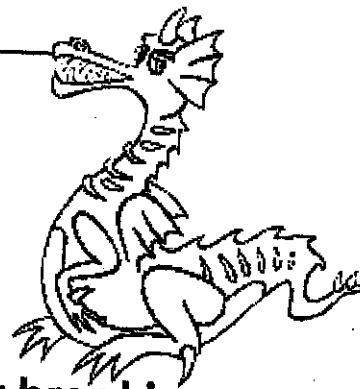
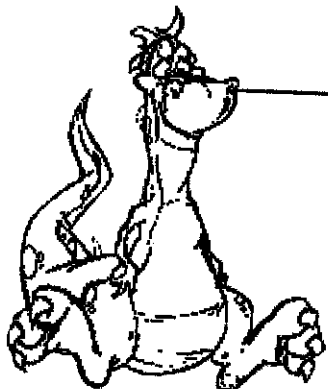
# SOLVE THE MYSTERY: CASE OF THE DIVIDED DRAGONS



Detective



(your name)



Has discovered that the dragon responsible for breaking up the Dragon Alliance is:

\_\_\_\_\_

Teacher to check and tick

Clues Checklist:



Clue 1

Clue 2

Clue 3

Clue 4

Clue 5

Well done! You have correctly revealed which dragon is responsible for the splitting up of the Dragon Alliance! Thanks to your brilliant math skills and detective work, Larry and Tabitha were able to confront the culprit and convinced the dragon to make things right again. Once the dragon did the right thing, all four of the dragon leagues became united once more to protect the barriers between our realm and the magical underworld. Everyone in Mathhattan and its surrounding islands feel safe again.

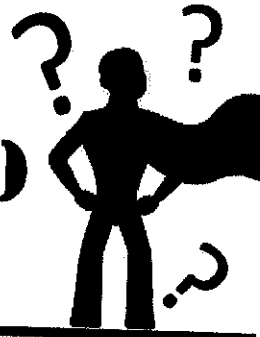


Oops! No that is not the dragon who is causing the divide amongst the dragons. Check your work and try again!





# 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!***

# 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.



# CONVERT FROM EXPANDED FORM – CLUE 1

Discover an important clue by converting the numbers from expanded form to numerical form. 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.*

T		
714	164	28

239	181	346	346	429	181	536

					T
653	429	536	536	253	714

992	346	101

$$700 + 10 + 4 = \frac{714}{T}$$

$$100 + 80 + 1 = \frac{\quad}{I}$$

$$20 + 8 = \frac{\quad}{E}$$

$$400 + 20 + 9 = \frac{\quad}{A}$$

$$900 + 90 + 2 = \frac{\quad}{F}$$

$$100 + 60 + 4 = \frac{\quad}{H}$$

$$500 + 30 + 6 = \frac{\quad}{N}$$

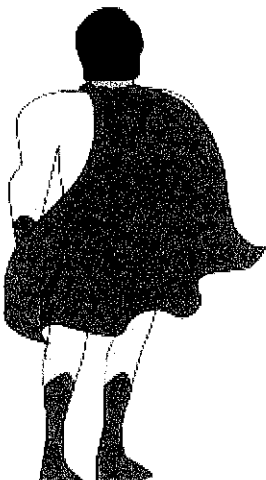
$$100 + 1 = \frac{\quad}{Y}$$

$$200 + 50 + 3 = \frac{\quad}{O}$$

$$600 + 50 + 3 = \frac{\quad}{C}$$

$$200 + 30 + 9 = \frac{\quad}{V}$$

$$300 + 40 + 6 = \frac{\quad}{L}$$





# ADDITION – 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.*

--

62

			N				
--	--	--	---	--	--	--	--

173

178

639

37

327

49

49

--	--	--	--	--	--	--

78

327

699

92

78

639

49

--	--	--	--

639

67

62

639

--	--	--

639

67

327

	N								
--	---	--	--	--	--	--	--	--	--

62

37

639

178

67

327

78

92

--	--

178

49

--

62

--	--	--	--

356

62

320

327

$$\begin{array}{r} 12 \\ + 25 \\ \hline 37 \end{array}$$

**N**

$$\begin{array}{r} 35 \\ + 14 \\ \hline \end{array}$$

**S**

$$\begin{array}{r} 24 \\ + 43 \\ \hline \end{array}$$

**H**

$$\begin{array}{r} 61 \\ + 17 \\ \hline \end{array}$$

**R**

$$\begin{array}{r} 36 \\ + 26 \\ \hline \end{array}$$

**A**

$$\begin{array}{r} 54 \\ + 38 \\ \hline \end{array}$$

**O**

$$\begin{array}{r} 145 \\ + 33 \\ \hline \end{array}$$

**I**

$$\begin{array}{r} 301 \\ + 26 \\ \hline \end{array}$$

**E**

$$\begin{array}{r} 645 \\ + 54 \\ \hline \end{array}$$

**P**

$$\begin{array}{r} 108 \\ + 65 \\ \hline \end{array}$$

**W**

$$\begin{array}{r} 236 \\ + 84 \\ \hline \end{array}$$

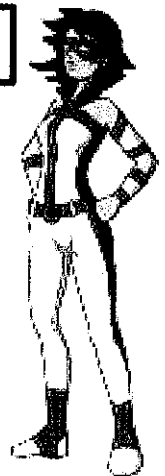
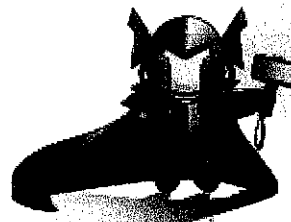
**L**

$$\begin{array}{r} 131 \\ + 225 \\ \hline \end{array}$$

**M**

$$\begin{array}{r} 256 \\ + 383 \\ \hline \end{array}$$

**T**





# SUBTRACTION – 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.*

$$\begin{array}{r} \square \\ 528 \end{array}$$

$$\begin{array}{r} \text{L} \quad \square \quad \square \quad \square \\ 30 \quad 528 \quad 258 \quad 25 \end{array}$$

$$\begin{array}{r} \square \quad \square \quad \square \\ 411 \quad 528 \quad 112 \end{array}$$



$$\begin{array}{r} \square \quad \square \quad \text{L} \quad \square \\ 528 \quad 44 \quad 30 \quad 96 \end{array}$$

$$\begin{array}{r} \square \quad \square \\ 45 \quad 347 \end{array}$$

$$\begin{array}{r} \square \quad \square \quad \square \quad \square \quad \square \\ 112 \quad 218 \quad 528 \quad 12 \quad 96 \end{array}$$

$$\begin{array}{r} \square \quad \square \quad \square \\ 347 \quad 832 \quad 832 \end{array}$$

$$\begin{array}{r} \square \quad \square \quad \square \\ 45 \quad 267 \quad 96 \end{array}$$

$$\begin{array}{r} \square \quad \square \quad \square \quad \square \quad \square \quad \square \quad \square \quad \square \\ 528 \quad 149 \quad 45 \quad 28 \quad 267 \quad 96 \quad 12 \quad 347 \end{array}$$

$$\begin{array}{r} \square \quad \square \quad \square \quad \square \\ 411 \quad 28 \quad 45 \quad 267 \end{array}$$

$$\begin{array}{r} \square \quad \square \quad \square \quad \square \quad \square \quad \square \quad \square \\ 218 \quad 347 \quad 347 \quad 351 \quad 28 \quad 96 \quad 112 \end{array}$$



$$\begin{array}{r} 45 \\ - 15 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 67 \\ - 22 \\ \hline \end{array}$$

$$\begin{array}{r} 94 \\ - 50 \\ \hline \end{array}$$

$$\begin{array}{r} 23 \\ - 11 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ - 17 \\ \hline \end{array}$$

$$\begin{array}{r} 83 \\ - 55 \\ \hline \end{array}$$

L

T

B

R

Y

I

$$\begin{array}{r} 427 \\ - 16 \\ \hline \end{array}$$

$$\begin{array}{r} 875 \\ - 43 \\ \hline \end{array}$$

$$\begin{array}{r} 138 \\ - 26 \\ \hline \end{array}$$

$$\begin{array}{r} 580 \\ - 52 \\ \hline \end{array}$$

$$\begin{array}{r} 361 \\ - 94 \\ \hline \end{array}$$

$$\begin{array}{r} 677 \\ - 459 \\ \hline \end{array}$$

W

F

S

A

H

C

$$\begin{array}{r} 384 \\ - 126 \\ \hline \end{array}$$

$$\begin{array}{r} 703 \\ - 352 \\ \hline \end{array}$$

$$\begin{array}{r} 297 \\ - 148 \\ \hline \end{array}$$

$$\begin{array}{r} 675 \\ - 579 \\ \hline \end{array}$$

$$\begin{array}{r} 846 \\ - 499 \\ \hline \end{array}$$

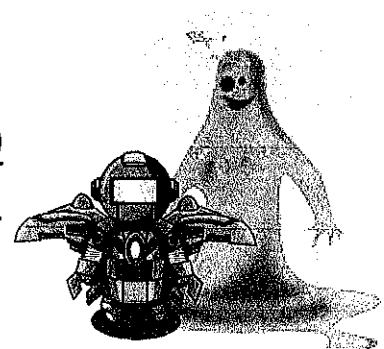
D

K

N

E

O





# MULTIPLYING BY 2s & 5s – 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		
2	16	5

40	4	14	8

30	20	10	12	14	8	30

16	40

35	10	25	25	14

22	12	4	10

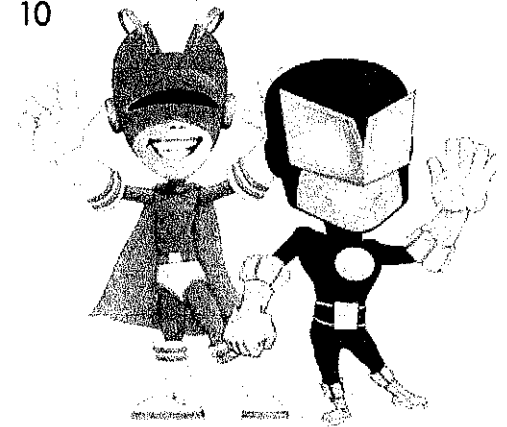
6	22	25	10	25

20	22	25

		Y		
18	12	2	16	10

6	12	30

20	12	15	25	14



$$2 \times 1 = \underline{2}$$

Y
---

$$2 \times 2 = \underline{\quad}$$

I
---

$$2 \times 3 = \underline{\quad}$$

W
---

$$2 \times 4 = \underline{\quad}$$

D
---

$$5 \times 1 = \underline{\quad}$$

U
---

$$5 \times 2 = \underline{\quad}$$

R
---

$$5 \times 3 = \underline{\quad}$$

K
---

$$5 \times 4 = \underline{\quad}$$

T
---

$$2 \times 6 = \underline{\quad}$$

A
---

$$2 \times 7 = \underline{\quad}$$

N
---

$$2 \times 8 = \underline{\quad}$$

O
---

$$2 \times 9 = \underline{\quad}$$

M
---

$$5 \times 5 = \underline{\quad}$$

E
---

$$5 \times 6 = \underline{\quad}$$

S
---

$$5 \times 7 = \underline{\quad}$$

G
---

$$5 \times 8 = \underline{\quad}$$

F
---

$$2 \times 11 = \underline{\quad}$$

H
---



# DIVIDING BY 2 – 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!

<p>The super bad superhero uses invisibility to shock people with sudden energy blasts coming out of nowhere.</p> <p style="text-align: right;"><b>7</b></p>	<p>The super bad superhero uses super strength to throw a magical trap on victims and then teleports them to a secret dungeon.</p> <p style="text-align: right;"><b>3</b></p>	<p>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.</p> <p style="text-align: right;"><b>2</b></p>	<p>The super bad superhero teleports behind victims and uses mind control to make them go to a prison of some sort.</p> <p style="text-align: right;"><b>5</b></p>
<p>The super bad superhero uses poisonous burps to weaken victims, then teleports to make a fast get away.</p> <p style="text-align: right;"><b>11</b></p>	<p>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.</p> <p style="text-align: right;"><b>12</b></p>	<p>The super bad superhero uses invisibility to stealth through the streets and uses super strength to keep everyone away.</p> <p style="text-align: right;"><b>4</b></p>	<p>The super bad superhero uses electric energy blasts to destroy walls and then teleports victims inside to somewhere strange.</p> <p style="text-align: right;"><b>6</b></p>
<p>The super bad superhero uses poisonous burps to make people faint and then casts mind control to make them walk to the hidden prison. <b>1</b></p>	<p>The super bad superhero uses super speed to catch victims without no one else noticing, then teleports them somewhere secret. <b>9</b></p>	<p>The super bad superhero casts a sonic scream to stun everyone around, and then uses teleportation to make a quick get away. <b>10</b></p>	<p>The super bad superhero travels around like a bug and then shapeshifts into human form to cast poisonous burps on everyone.. <b>8</b></p>

$20 \div 2 = \underline{\hspace{2cm}}$

$8 \div 2 = \underline{\hspace{2cm}}$

$2 \div 2 = \underline{\hspace{2cm}}$

$16 \div 2 = \underline{\hspace{2cm}}$

$10 \div 2 = \underline{\hspace{2cm}}$

$24 \div 2 = \underline{\hspace{2cm}}$

$12 \div 2 = \underline{\hspace{2cm}}$

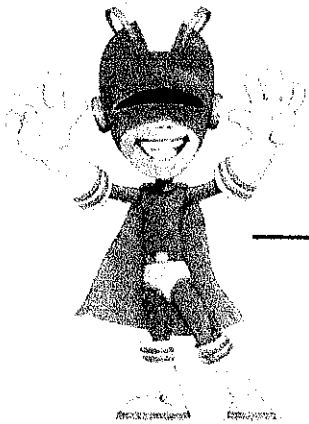
$6 \div 2 = \underline{\hspace{2cm}}$

$18 \div 2 = \underline{\hspace{2cm}}$

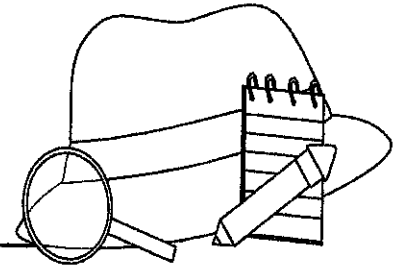
$4 \div 2 = \underline{\hspace{2cm}}$

$14 \div 2 = \underline{\hspace{2cm}}$

# SOLVE THE MYSTERY: CASE OF THE SUPER BAD SUPERHERO



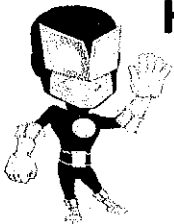
Detective



\_\_\_\_\_ *(your name)*



Has discovered that the super bad Superhero is:



\_\_\_\_\_

Teacher to check and tick

### Clues Checklist:

Clue 1

Clue 2

Clue 3

Clue 4

Clue 5



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!