MATH MYSTERY:

CASE OF THE MONSTER MIX-UP

Date: Week of April 20th – This assignment covers the entire week

It has been a known fact for some time that there are many monsters living in Mathhattan. Most keep to themselves, however, one of them has been causing trouble in our town lately. A number of victims have been calling the police with reports similar to those given below:

"A monster sometimes lurks in my closet. It always wakes me up with its growling and then I can never go back to sleep because I'm frightened!" Complained Harmony.

"A monster has been creeping into my room at night, I'm always too scared to look, I just stay under my bed covers until it is gone!" Claimed Fred.

"One of those pesky monsters keeps breaking into my home at night, scaring my cat and stealing my jellybeans!" Myrtle angrily exclaimed.

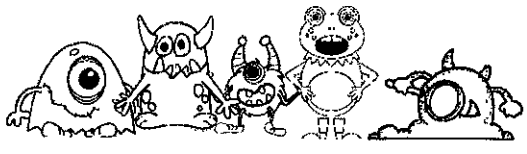
There may be some good news for the citizens of Mathattan; Coolrog, a blue monster, was arrested late last night for scaring a group of children camping. However, Coolrog is claiming that the police have caught the wrong monster and is certain that no one will be safe from the night frights for long.

Coolrog gave the following statement from his prison cell:
"There's been a mix-up! I was framed by the real culprit! I wasn't the one who scared that group of children camping last night. You see, I was just out for my usual late night stroll, but when I heard screaming I became frightened and started running! The next thing I knew, sirens were wailing, lights flashing and I was surrounded by lots of police. I honestly didn't go anywhere near the children camping! I am warning you that the monster night frights won't stop because there's been a mix-up!"

The Chief of Police has ordered that a great math detective join the police to return to the scene of the crime from last night and investigate this case. Officer Luke stated, **"If we can find out which monster was responsible for last night's events, then we can be pretty sure we have the culprit responsible for all of the recent night scare crimes."**

MATH DETECTIVE WANTED TO INVESTIGATE THE MONSTER MIX-UP

The police have made a list of all the possible suspects, including Coolrog. They need a brilliant math detective to either uncover enough evidence to prove that Coolrog is responsible for last night's scare crime or to discover who is the real monster that needs to be arrested. The police will be keeping Coolrog behind bars until either proven guilty or innocent.



Name: _____

POSSIBLE SUSPECTS

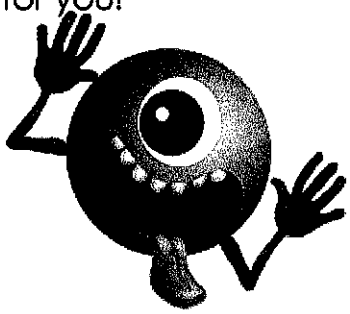
Suspect Name	Covered in . . .	Number of Eyes	Color	Has a tail? **Yes/No**	Teeth Size **Big/Small**
Coolrog	Goo	Two	Blue	Yes	Big
Gutling	Goo	One	Green	Yes	Small
Sadfang	Spikes	Two	Blue	Yes	Big
Rustclaw	Spikes	Three	Green	Yes	Big
Rotspawn	Goo	Three	Green	Yes	Big
Boogiebog	Goo	One	Green	No	Small
Fuzzyfoot	Fur	Two	Blue	No	Big
Stinkstep	Fur	Two	Green	Yes	Big
Slimewort	Goo	Two	Green	No	Big
Thunderwig	Fur	One	Pink	Yes	Big
Warple	Spikes	One	Pink	No	Small
Snarlzgool	Spikes	Three	Blue	Yes	Big
Sloggil	Fur	One	Pink	No	Big
Toxikin	Goo	One	Blue	Yes	Big
Firestomp	Spikes	Two	Green	Yes	Big
Rockbyte	Spikes	Three	Green	No	Big
Flamepooh	Goo	Three	Green	No	Small
Shademask	Fur	Two	Blue	Yes	Big

Solve the clues and then cross the suspects off the list until one remains! The last suspect remaining is the Monster who needs to be arrested for the scare crimes!

Name: _____

MIXED MULTIPLICATION FACTS – CLUE 1

Crack the code by completing the multiplication questions. Use your answers to match and place the letters in the boxes to reveal a clue discovered at the camping scene from last night. 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!



110	48	32		

132	20	20	132	108	

	O				
108	4	72	20	28	

30	55	20	

	O				
100	4	81	36	63	

48	36	

132	108	20	

132	20	36	132

2 X 2 = 4 — **O**

8 X 6 = _____ — **I**

7 X 4 = _____ — **S**

12 X 9 = _____ — **H**

5 X 11 = _____ — **R**

9 X 9 = _____ — **U**

12 X 3 = _____ — **N**

10 X 11 = _____ — **B**

6 X 5 = _____ — **A**

2 X 10 = _____ — **E**

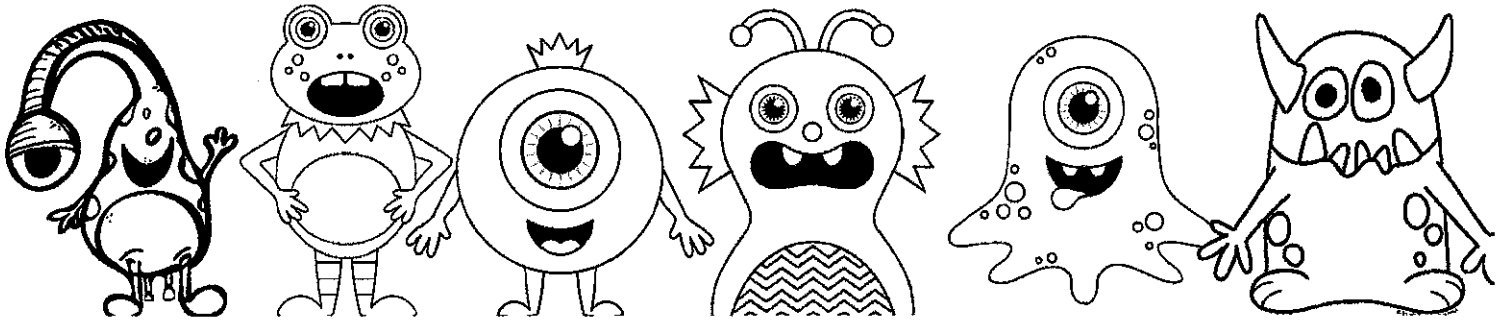
9 X 7 = _____ — **D**

6 X 12 = _____ — **L**

10 X 10 = _____ — **F**

4 X 8 = _____ — **G**

11 X 12 = _____ — **T**



Name: _____ Mrs J's Resource Creations ©

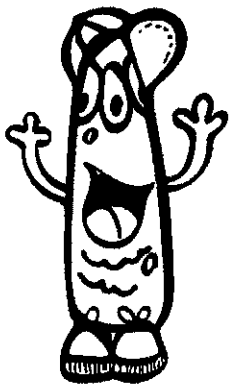
MULTIPLYING 2-DIGIT by 1-DIGIT NUMBERS – CLUE 2

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

168	135	279	50	188	432	343	50

148	305	279	279	135	188

50	432	432	



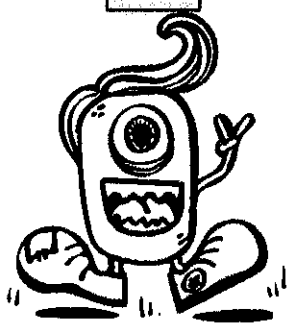
135	279	432		432	165	432	430				

469	279		

188	492	432	

430	305	343	344				

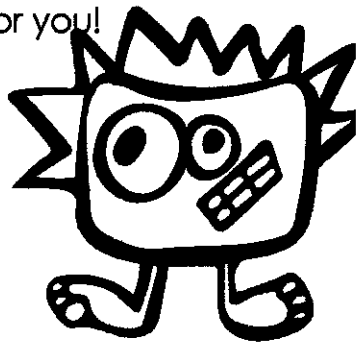
25	37	61	49	82	15
X 2	X 4	X 5	X 7	X 6	X 9
S	C	A	R	H	O
55	43	28	31	94	67
X 3	X 8	X 6	X 9	X 2	X 7
Y	K	M	N	T	I
86	72				
X 5	X 6				
D	E				



Name: _____ Mrs J's Resource Creations ©

MULTIPLY NUMBERS ENDING IN ZEROES – CLUE 3

Crack the code by completing the multiplication questions. Use your answers to match and place the letters in the boxes to reveal a clue discovered at the camping scene from last night. 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!



900	8,000	9,000	1,500	9,000

4,000	1,500	9,000

35,000	700	54,000	3,200	35,000

2,000	800

4,000

900	4,000	700	7,200

			C				
60,000	3,200	2,000	400	60,000	700	3,200	54,000

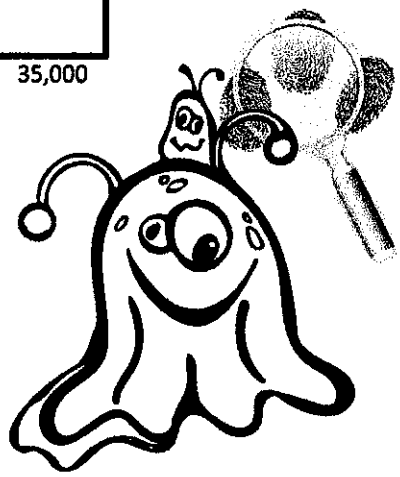
700	3,200	900	2,000

900	1,500	9,000	9,000	35,000

3,200	9,000	4,000	1,500

900	8,000	9,000

C							
400	4,000	600	81,000	35,000	700	900	9,000



20 X 20 = 400 (C)

7 X 100 = _____ (I)

80 X 40 = _____ (N)

50 X 30 = _____ (R)

10 X 200 = _____ (O)

30 X 30 = _____ (T)

300 X 30 = _____ (E)

60 X 10 = _____ (M)

70 X 500 = _____ (S)

40 X 100 = _____ (A)

100 X 600 = _____ (K)

90 X 600 = _____ (G)

80 X 90 = _____ (L)

90 X 900 = _____ (P)

10 X 80 = _____ (F)

400 X 20 = _____ (H)

Name: _____

MULTIPLICATION WORD PROBLEMS – CLUE 4

Crack the code by the 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!)

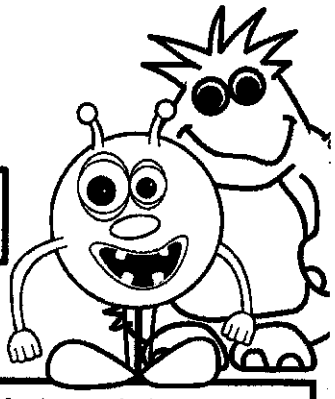
1,536	391	1,092

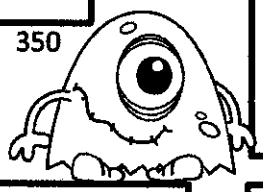
327	1,092	1,220	432

C						
165	162	432	144	327	140	1,536

140	56

1,682	327	1,092	1,092	350





Snarltooth ate 11 boxes of chocolates. There were 15 chocolates in each box. How many chocolates did Snarltooth eat? **165 chocolates** **C**

Fuzzyfoot bought 14 bags of monster rolls. There were 10 monster rolls in each bag. How many monster rolls did Fuzzyfoot buy?_____ **I**

17 monsters went to McSpooks Diner. They each ordered 23 burgers. How many burgers did the group of monsters buy in total?
_____ **H**

Gogglejaws can eat 36 fish in one minute. How many fish could Gogglejaws eat in 12 minutes?_____ **L**

Slimewort eats 50 rotten eggs a day to maintain his daily monster nutritional requirements. How many rotten eggs in total would Slimewort eat in 1 week? _____ **N**

Warple has 3 arms. He has 109 very sharp spikes on each arm. How many arm spikes does Warple have?_____ **R**

Boogiebog makes 64 boogies per hour. How many boogies does Boogiebog make in 24 hours?_____ **T**

Rockbyte bought 61 packets of raisin rocks from the Monster Delicacy store. There are 20 raisin rocks in each packet. How many raisin rocks did Rockbyte buy?_____ **A**

Shademask can only be in the sunshine for a maximum of 4 hours a day. Over 14 days, what is the maximum amount of sunshine Shademask could enjoy?_____ **S**

Judy set up 18 rows of pillows to guard her toys from any monsters. There were 9 pillows in each row. How many pillows did Judy use to set up her pillow fortress?_____ **U**

Sadfang bought 42 boxes of super mushy monster muffins. There are 26 muffins in each box. How many super mushy monster muffins did Sadfang buy?_____ **E**

Gutling ordered 29 trays of worm nuggets at McSpooks Diner. There are 58 worm nuggets on each tray. How many worm nuggets did Gutling order ?_____ **G**

There are 9 rooms in Carl's house. Carl set up 16 monster traps in each room of his house. How many monster traps did Carl set up?_____ **P**

Name: _____

MULTIPLYING WITH LARGER NUMBERS – CLUE 5

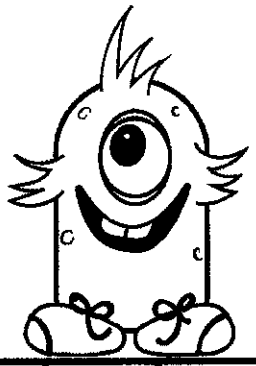
Crack the code by completing the multiplication questions (you may need some extra paper to work out your answers). Use your answers to match and place the letters in the boxes to reveal a clue discovered at the camping scene from last night. Put the letter in every box that it matches your answer in (there may be more than one!) The first one has been done for you!

15,385	2,232	576	2,682	3,705	3,358

25,206	2,682	780	780	3,358	1,100	

	H	
2,145	810	3,358

576	2,682	2,145	2,145	576	3,358



15,385	2,028	1,100	1,100	576	3,358	780

2,232	1,178

13,664	2,232	2,232

5,616	576	576

5,616	11,532	2,232	2,028	10,520	1,100

	H	
2,145	810	3,358

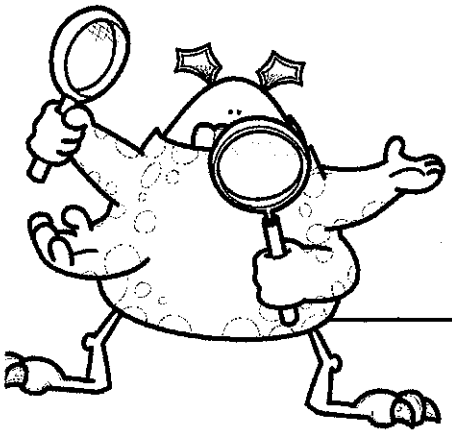
3,705	5,616	25,206	15,385	780	2,682	2,145	3,358

135	390	507	936	298	741
X 6	X 2	X 4	X 6	X 9	X 5
810					
H	S	U	A	I	C

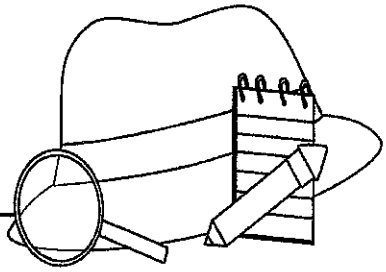
55	19	73	24	65	48
X 20	X 62	X 46	X 93	X 33	X 12
D	F	E	O	T	L

4,201	5,260	2,883	1,952	3,077
X 6	X 2	X 4	X 7	X 5
M	N	R	G	P

SOLVE THE MYSTERY:
CASE OF THE MONSTER MIX-UP



Detective



(your name)

Has discovered that the Monster to arrested for the scare crimes is:

_____

Clues Checklist:

Clue 1 ☐

Clue 2 ☐

Clue 3 ☐

Clue 4 ☐

Clue 5 ☐

Teacher to check and tick

☐

Well done! You have discovered the correct monster behind the scare crimes all over Mathhattan! The police have the monster in jail and now everyone in town can sleep easily tonight. Many children are grateful for your hard work and making sure there is no mix-up on which monster needs to be kept behind bars!

! ☐

Oops! No that is not the correct monster behind the scare crimes. Take off the handcuffs from the suspect, check your work and try again!