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# MATH MYSTERY

CASE OF THE  
***SUPER BAD  
SUPERHERO***  
***GRADE 3***



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# 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

$$700 + 10 + 4 = \underline{714}$$

**T**

$$100 + 80 + 1 = \underline{\quad ? \quad}$$

**I**

$$20 + 8 = \underline{\quad ? \quad}$$

**E**

$$400 + 20 + 9 = \underline{\quad ? \quad}$$

**A**

$$900 + 90 + 2 = \underline{\quad ? \quad}$$

**F**

$$100 + 60 + 4 = \underline{\quad ? \quad}$$

**H**

$$500 + 30 + 6 = \underline{\quad ? \quad}$$

**N**

$$100 + 1 = \underline{\quad ? \quad}$$

**Y**

$$200 + 50 + 3 = \underline{\quad ? \quad}$$

**O**

$$600 + 50 + 3 = \underline{\quad ? \quad}$$

**C**

$$200 + 30 + 9 = \underline{\quad ? \quad}$$

**V**

$$300 + 40 + 6 = \underline{\quad ? \quad}$$

**L**



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# 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



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# 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.*

528

 L   

30

528

258

25

  

411

528

112

  L 

528

44

30

96

 

45

347

    

112

218

528

12

96

  

347

832

832

  

45

267

96

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528

149

45

28

267

96

12

347

   

411

28

45

267

      

218

347

347

351

28

96

112



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

L

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

T

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

B

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

R

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

Y

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

I

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

W

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

F

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

S

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

A

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

H

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

C

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

D

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

K

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

N

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

E

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

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
---

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

I
---

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

W
---

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

D
---

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

U
---

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

R
---

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

K
---

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

T
---

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

A
---

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

N
---

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

O
---

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

M
---

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

E
---

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

S
---

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

G
---

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

F
---

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

H
---

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**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!

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



Copy and paste the X above to place over eliminated box clues.

$20 \div 2 = \boxed{?}$

$8 \div 2 = \boxed{?}$

$2 \div 2 = \boxed{?}$

$16 \div 2 = \boxed{?}$

$10 \div 2 = \boxed{?}$

$24 \div 2 = \boxed{?}$

$12 \div 2 = \boxed{?}$

$6 \div 2 = \boxed{?}$

$18 \div 2 = \boxed{?}$

$4 \div 2 = \boxed{?}$

$14 \div 2 = \boxed{?}$

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