



The Digital Stone Mystery

Grade 4 math · Rounding, Addition, Subtraction, Multiplication, Division · Reading level grades 3-4

Detective: _____ Date: _____

Someone has stolen the ultra-secret Digital Stone Formula from the laboratory! Our hero guild is in complete chaos. We must help our favorite anime champions track down the sneaky thief before they escape the island!

1. Solve each math problem. The answer is a number, and the letter beside it is what that number stands for.
2. In the clue boxes, write that letter in every box showing the same number, then read the secret clue.
3. Use each clue to cross suspects off the list. The one suspect left at the end is the culprit!

My answer: the rogue hero is _____

Possible suspects

Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	SIGNATURE STRIKE	DIGITAL ASSIST	STANCE	HAIR COLOR	MAJOR WEAKNESS
Mimi	Science Elixir	Crest of Courage	Right Handed Stance	Jet Black Spikes	Deep Ocean Water
Tatsumaki	Science Elixir	Science Goggles	Right Handed Stance	Jet Black Spikes	Deep Ocean Water
Sanji	Gum Gum Pistol	Straw Hat	Left Handed Stance	Green Spikes	Deep Ocean Water
Nami	Digimon Fusion	Straw Hat	Left Handed Stance	Bright Yellow Spikes	Spicy Ghost Peppers
Izzy	Serious Punch	Digital Analyzer	Right Handed Stance	Jet Black Spikes	Deep Ocean Water
Zoro	Serious Punch	Digital Analyzer	Left Handed Stance	Bright Yellow Spikes	Spicy Ghost Peppers
Gen	Digimon Fusion	Straw Hat	Right Handed Stance	Bright Yellow Spikes	Spicy Ghost Peppers
Usopp	Science Elixir	Hero Cape	Left Handed Stance	Bright Yellow Spikes	Strong Magnets
Saitama	Gum Gum Pistol	Straw Hat	Right Handed Stance	Green Spikes	Spicy Ghost Peppers
Fubuki	Fire Fist	Straw Hat	Left Handed Stance	Bright Yellow Spikes	Strong Magnets
Suika	Gum Gum Pistol	Hero Cape	Right Handed Stance	Jet Black Spikes	Strong Magnets
Joe	Gum Gum Pistol	Crest of Courage	Right Handed Stance	Green Spikes	Deep Ocean Water
Bang	Digimon Fusion	Science Goggles	Right Handed Stance	Green Spikes	Deep Ocean Water
Chopper	Gum Gum Pistol	Crest of Courage	Right Handed Stance	Green Spikes	Strong Magnets
Matt	Gum Gum Pistol	Science Goggles	Left Handed Stance	Jet Black Spikes	Spicy Ghost Peppers
Ryusui	Science Elixir	Hero Cape	Left Handed Stance	Jet Black Spikes	Spicy Ghost Peppers
Genos	Digimon Fusion	Digital Analyzer	Right Handed Stance	Green Spikes	Deep Ocean Water
Luffy	Science Elixir	Science Goggles	Right Handed Stance	Bright Yellow Spikes	Strong Magnets
Kohaku	Fire Fist	Straw Hat	Right Handed Stance	Green Spikes	Deep Ocean Water
Senku	Gum Gum Pistol	Digital Analyzer	Right Handed Stance	Jet Black Spikes	Deep Ocean Water
Chrome	Digimon Fusion	Hero Cape	Right Handed Stance	Green Spikes	Deep Ocean Water

CLUE 1 Rounding

Our digital tracker scanned the villain's escape path! The screen only shows rounded speed numbers. Round these numbers to the nearest ten to unlock the first clue!

Solve each problem, then write its letter in every clue box that shows the same number.

T			T											T				
20	3700	130	20	3700	90	130	5000	1700	50	130	2300	430	50	20	3700	200	9000	130
					T													
200	1700	90	1300	90	20	200	2900	200	430	200	2900	900	290	130	70			

Round 18 to the nearest ten → **T**

Round 133 to the nearest ten → **E**

Round 290 to the nearest ten → **Z**

Round 1,708 to the nearest hundred → **D**

Round 4,872 to the nearest thousand → **F**

Round 47 to the nearest ten → **O**

Round 201 to the nearest hundred → **A**

Round 3,675 to the nearest hundred → **H**

Round 2,916 to the nearest hundred → **L**

Round 872 to the nearest hundred → **Y**

Round 9,258 to the nearest thousand → **V**

Round 70 to the nearest ten → **R**

Round 429 to the nearest ten → **N**

Round 2,256 to the nearest hundred → **S**

Round 1,299 to the nearest hundred → **G**

Round 89 to the nearest ten → **I**

Scratch space:

CLUE 2 Addition

The team needs to pack extra science elixirs for the chase. Add up all the bottles in our laboratory chests to see what we have and find the second clue.

Solve each problem, then write its letter in every clue box that shows the same number.

W				W										
2156	3032	7853	9329	2156	9329	5687	3329	3813	6827	2160	6827	9329	5134	5103

								W					
5828	5687	3329	5134	2160	5743	5134	2160	6827	3032	2156	9329	4151	4151

$735 + 1421 = \square \rightarrow \boxed{W}$	$1203 + 2610 = \square \rightarrow \boxed{G}$	$1964 + 3864 = \square \rightarrow \boxed{P}$
$3919 + 1824 = \square \rightarrow \boxed{O}$	$2438 + 3249 = \square \rightarrow \boxed{R}$	$2410 + 5443 = \square \rightarrow \boxed{S}$
$956 + 2076 = \square \rightarrow \boxed{E}$	$2209 + 2925 = \square \rightarrow \boxed{N}$	$773 + 1387 = \square \rightarrow \boxed{T}$
$2328 + 2775 = \square \rightarrow \boxed{D}$	$1597 + 2554 = \square \rightarrow \boxed{L}$	$4572 + 2255 = \square \rightarrow \boxed{H}$
$3874 + 5455 = \square \rightarrow \boxed{A}$	$1676 + 1653 = \square \rightarrow \boxed{I}$	

Scratch space:

CLUE 3

Subtraction

The rogue hero knocked over several bins of digital energy gears. Subtract the broken gears from the total to clean up the workspace and get the next clue!

Solve each problem, then write its letter in every clue box that shows the same number.

Diagram illustrating a sequence of boxes and numbers. The top row shows a sequence of boxes with numbers below them: 3373, 3678, 1157, 3368, 8377, 3806, 6793, 4223, 1166, 3806, 4345, 2354, 3806, 3373, 1157, 4345. The bottom row shows a sequence of boxes with numbers below them: 3368, 8322, 8810, 3806, 3368, 3678, 1157, 6232, 3373, 3678, 1157, 6793, 5666, 8810, 8322, 4345, 2227, 3373. A 'T' marker is present in the first box of the top row and the ninth and last boxes of the bottom row.

$$8373 - 5000 = \boxed{} \rightarrow \mathbf{T}$$

$$6172 - 3818 = \boxed{} \rightarrow \boxed{\text{W}}$$

$$7016 - 223 = \boxed{} \rightarrow \boxed{\text{C}}$$

$$4173 - 805 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$5943 - 4777 = \boxed{} \rightarrow \boxed{\mathbf{B}}$$

$5627 - 3400 = \boxed{} \rightarrow \boxed{}$

$$8280 - 2048 = \boxed{} \rightarrow \mathbf{D}$$

$2578 - 1421 = \boxed{} \rightarrow \mathbf{E}$

$$5613 - 1390 = \boxed{} \rightarrow \boxed{\text{K}}$$

$$8528 - 2862 = \boxed{} \rightarrow \boxed{\text{U}}$$

$$12324 - 3947 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$11986 - 3664 = \boxed{} \rightarrow \boxed{\text{P}}$$

$$5489 - 1144 = \boxed{} \rightarrow \boxed{\text{R}}$$

$$11085 - 2275 = \boxed{} \rightarrow \boxed{\text{L}}$$

$$7462 - 3784 = \boxed{} \rightarrow \boxed{\text{H}}$$

$8032 - 4226 = \boxed{} \rightarrow \mathbf{A}$

Scratch space:

Multiplication facts (1-12)

We found rows of mysterious digivolving energy crates stacked in the warehouse. Multiply the rows by the columns to count them all and reveal a hair clue!

Solve each problem, then write its letter in every clue box that shows the same number.

A number line from 0 to 100 with boxes for numbers and their prime factors. The number 8 is highlighted in orange.

Number	Prime Factors
8	2, 2, 2
5	5
40	2, 2, 2, 5
144	2, 2, 2, 2, 3, 3
12	2, 2, 3
64	2, 2, 2, 2, 2, 2
77	7, 11
12	2, 2, 3
30	2, 3, 5
77	7, 11
77	7, 11
144	2, 2, 2, 2, 3, 3
7	7
8	2, 2, 2
40	2, 2, 2, 5
30	2, 3, 5
66	2, 3, 11
8	2, 2, 2
5	5

$4 \times 2 = \square \rightarrow \boxed{\mathbf{A}}$

$3 \times 5 = \boxed{} \rightarrow \boxed{\mathbf{B}}$

$$5 \times 1 = \boxed{} \rightarrow \boxed{\mathbf{S}}$$

$$6 \times 11 = \boxed{} \rightarrow \boxed{\mathbf{W}}$$

$4 \times 3 = \boxed{} \rightarrow \boxed{\mathbf{G}}$

$12 \times 12 = \boxed{} \rightarrow \boxed{\text{N}}$

$12 \times 5 = \boxed{} \rightarrow \boxed{0}$

$$2 \times 2 = \boxed{} \rightarrow \boxed{\text{F}}$$

$$11 \times 7 = \boxed{} \rightarrow \boxed{\mathbf{E}}$$

$7 \times 5 = \boxed{} \rightarrow \boxed{\mathbf{T}}$

$$7 \times 1 = \boxed{} \rightarrow \boxed{\text{H}}$$

$5 \times 8 = \boxed{} \rightarrow \boxed{I}$

$$3 \times 10 = \boxed{} \rightarrow \boxed{\mathbf{R}}$$

$1 \times 3 = \boxed{} \rightarrow \boxed{\text{C}}$

$8 \times 8 = \boxed{} \rightarrow \boxed{\text{L}}$

Scratch space:

CLUE 5**Division facts (1-12) - the last clue**

We must share our remaining power snacks equally among the search party. Divide the total snacks by our teammates to power up and get the final clue!

First solve each problem. Then find each answer in the numbered list below and cross that sentence out. One sentence will be left - that is exactly what the villain did!

Step 1 - solve these:

$70 \div 10 = \square$

$40 \div 5 = \square$

$54 \div 6 = \square$

$110 \div 11 = \square$

$42 \div 7 = \square$

$6 \div 2 = \square$

$15 \div 3 = \square$

$28 \div 7 = \square$

$14 \div 7 = \square$

$12 \div 12 = \square$

$66 \div 6 = \square$

Step 2 - cross out the sentence with each answer:

1. The villain blasts open the reinforced safe with one punch, then rides away on an electric scooter.
2. The villain stretches a long rubbery arm through the vault window, then flies off with a mini jetpack.
3. The villain blasts open the reinforced safe with one punch, then escapes on a tiny yellow raft.
4. The villain brews a sleeping gas potion, then escapes on a tiny yellow raft.
5. The villain brews a sleeping gas potion, then runs down the street at super speed.
6. The villain digivolves to leap over the high walls, then swings through the trees using vines.
7. The villain stretches a long rubbery arm through the vault window, then escapes on a tiny yellow raft.
8. The villain digivolves to leap over the high walls, then flies off with a mini jetpack.
9. The villain creates a fiery distraction in the lobby, then swings through the trees using vines.
10. The villain blasts open the reinforced safe with one punch, then swings through the trees using vines.
11. The villain digivolves to leap over the high walls, then escapes on a tiny yellow raft.
12. The villain digivolves to leap over the high walls, then rides away on an electric scooter.

Answer Key

The Digital Stone Mystery

Culprit: Bang

Digimon Fusion · Science Goggles · Right Handed Stance · Green Spikes · Deep Ocean Water

Trail: Start 21 → Clue 1 17 → Clue 2 11 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE THIEF DOES NOT HAVE A DIGITAL ANALYZER"

Round 18 to the nearest ten = 20 (T) · Round 133 to the nearest ten = 130 (E) · Round 290 to the nearest ten = 290 (Z) · Round 1,708 to the nearest hundred = 1700 (D) · Round 4,872 to the nearest thousand = 5000 (F) · Round 47 to the nearest ten = 50 (O) · Round 201 to the nearest hundred = 200 (A) · Round 3,675 to the nearest hundred = 3700 (H) · Round 2,916 to the nearest hundred = 2900 (L) · Round 872 to the nearest hundred = 900 (Y) · Round 9,258 to the nearest thousand = 9000 (V) · Round 70 to the nearest ten = 70 (R) · Round 429 to the nearest ten = 430 (N) · Round 2,256 to the nearest hundred = 2300 (S) · Round 1,299 to the nearest hundred = 1300 (G) · Round 89 to the nearest ten = 90 (I)

Clue 2 (Addition): "WE SAW A RIGHT HAND PRINT ON THE WALL"

$735 + 1421 = 2156$ (W) · $1203 + 2610 = 3813$ (G) · $1964 + 3864 = 5828$ (P) · $3919 + 1824 = 5743$ (O) · $2438 + 3249 = 5687$ (R) · $2410 + 5443 = 7853$ (S) · $956 + 2076 = 3032$ (E) · $2209 + 2925 = 5134$ (N) · $773 + 1387 = 2160$ (T) · $2328 + 2775 = 5103$ (D) · $1597 + 2554 = 4151$ (L) · $4572 + 2255 = 6827$ (H) · $3874 + 5455 = 9329$ (A) · $1676 + 1653 = 3329$ (I)

Clue 3 (Subtraction): "THE SNACK BAR WATER SPLASHED THE CULPRIT"

$8373 - 5000 = 3373$ (T) · $6172 - 3818 = 2354$ (W) · $7016 - 223 = 6793$ (C) · $4173 - 805 = 3368$ (S) · $5943 - 4777 = 1166$ (B) · $5627 - 3400 = 2227$ (I) · $8280 - 2048 = 6232$ (D) · $2578 - 1421 = 1157$ (E) · $5613 - 1390 = 4223$ (K) · $8528 - 2862 = 5666$ (U) · $12324 - 3947 = 8377$ (N) · $11986 - 3664 = 8322$ (P) · $5489 - 1144 = 4345$ (R) · $11085 - 2275 = 8810$ (L) · $7462 - 3784 = 3678$ (H) · $8032 - 4226 = 3806$ (A)

Clue 4 (Multiplication facts (1-12)): "A SINGLE GREEN HAIR WAS LEFT ON THE BENCH"

$4 \times 2 = 8$ (A) · $3 \times 5 = 15$ (B) · $5 \times 1 = 5$ (S) · $6 \times 11 = 66$ (W) · $4 \times 3 = 12$ (G) · $12 \times 12 = 144$ (N) · $12 \times 5 = 60$ (O) · $2 \times 2 = 4$ (F) · $11 \times 7 = 77$ (E) · $7 \times 5 = 35$ (T) · $7 \times 1 = 7$ (H) · $5 \times 8 = 40$ (I) · $3 \times 10 = 30$ (R) · $1 \times 3 = 3$ (C) · $8 \times 8 = 64$ (L)

Clue 5 (Division facts (1-12)): surviving statement is box 12 → Bang

$70 \div 10 = 7$ · $40 \div 5 = 8$ · $54 \div 6 = 9$ · $110 \div 11 = 10$ · $42 \div 7 = 6$ · $6 \div 2 = 3$ · $15 \div 3 = 5$ · $28 \div 7 = 4$ · $14 \div 7 = 2$ · $12 \div 12 = 1$ · $66 \div 6 = 11$