



The Mystery of the Sunken Jungle Temple

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

Detective: _____ **Date:** _____

A sneaky phantom explorer snuck into the jungle expedition camp and snatched the golden sun compass! Detective, search for clues around the ruins to catch the culprit before they escape.

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 Phantom Explorer is _____

Possible suspects

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

NAME	PRIMARY TOOL	SECRET GEAR	DOMINANT HAND	HAIR COLOR	SECRET WEAKNESS
Gideon Ross	Signal Flare	Torch Light	Left Handed	Chestnut Brown	Bright Flashes
Otis Miller	Brass Compass	Rope Ladder	Right Handed	Chestnut Brown	Loud Whistles
Piper Vance	Signal Flare	Smoke Bomb	Right Handed	Amber Gold	Bright Flashes
Jonah Knight	Grappling Hook	Spyglass	Right Handed	Amber Gold	Itchy Powder
Chloe Park	Grappling Hook	Rope Ladder	Right Handed	Amber Gold	Bright Flashes
Nora Finch	Bronze Machete	Spyglass	Left Handed	Amber Gold	Bright Flashes
Bruno Vance	Brass Compass	Rope Ladder	Right Handed	Amber Gold	Bright Flashes
Daphne Moon	Bronze Machete	Smoke Bomb	Left Handed	Amber Gold	Itchy Powder
Hugo Sterling	Signal Flare	Spyglass	Left Handed	Amber Gold	Bright Flashes
Zoe Rivers	Grappling Hook	Torch Light	Left Handed	Amber Gold	Loud Whistles
Sienna West	Decoder Ring	Torch Light	Right Handed	Chestnut Brown	Loud Whistles
Professor Plum	Decoder Ring	Torch Light	Left Handed	Amber Gold	Loud Whistles
Leo Vance	Bronze Machete	Glider Wings	Right Handed	Amber Gold	Bright Flashes
Ezra Blake	Signal Flare	Glider Wings	Left Handed	Raven Black	Loud Whistles
Captain Maya	Bronze Machete	Rope Ladder	Left Handed	Amber Gold	Bright Flashes
Jasper Stone	Decoder Ring	Smoke Bomb	Right Handed	Amber Gold	Bright Flashes
Ruby Cruz	Grappling Hook	Spyglass	Left Handed	Amber Gold	Itchy Powder
Ivy Chen	Decoder Ring	Spyglass	Right Handed	Amber Gold	Loud Whistles
Felix Drake	Grappling Hook	Rope Ladder	Left Handed	Raven Black	Bright Flashes
Evelyn Reed	Bronze Machete	Glider Wings	Right Handed	Chestnut Brown	Bright Flashes
Tess Morgan	Decoder Ring	Spyglass	Right Handed	Amber Gold	Bright Flashes

CLUE 1
Rounding

The ancient temple radar display rounds distance measurements to the nearest hundred.

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

T																T
3000	110	430	2000	200	30	30	9000	200	1700	300	900	430	130	1700	900	3000

3700	130	430	9000	90	900	700	430	30	9000	300	300	430	90

Round 2,659 to the nearest thousand →

T

Round 1,892 to the nearest thousand →

V

Round 197 to the nearest hundred →

I

Round 3,651 to the nearest hundred →

U

Round 114 to the nearest ten →

H

Round 92 to the nearest ten →

R

Round 922 to the nearest hundred →

O

Round 8,579 to the nearest thousand →

A

Round 434 to the nearest ten →

E

Round 30 to the nearest ten →

L

Round 1,715 to the nearest hundred →

N

Round 681 to the nearest hundred →

P

Round 339 to the nearest hundred →

D

Round 126 to the nearest ten →

S

Scratch space:

CLUE 2 Addition

The lead explorer totaled all the gear containers gathered in the jungle camp.

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

T															
4204	3058	9385	7497	5390	7497	8926	9385	5109	4204	8733	9385	3860	4204	4385	

8329	6872	6157	3058	4204	3058	4385	2991	5636	9385	5636	8926	8329	6872	2991	4204

$2683 + 1521 = \square \rightarrow \text{ T }$

$1579 + 2806 = \square \rightarrow \text{ A }$

$1386 + 1605 = \square \rightarrow \text{ N }$

$3198 + 6187 = \square \rightarrow \text{ E }$

$3364 + 4965 = \square \rightarrow \text{ R }$

$5145 + 3588 = \square \rightarrow \text{ L }$

$1938 + 3698 = \square \rightarrow \text{ D }$

$4260 + 3237 = \square \rightarrow \text{ S }$

$2110 + 3280 = \square \rightarrow \text{ U }$

$4986 + 3940 = \square \rightarrow \text{ P }$

$3088 + 3069 = \square \rightarrow \text{ G }$

$2606 + 1254 = \square \rightarrow \text{ F }$

$4131 + 2741 = \square \rightarrow \text{ I }$

$1825 + 1233 = \square \rightarrow \text{ H }$

$2859 + 2250 = \square \rightarrow \text{ C }$

Scratch space:

CLUE 3
Subtraction

The detective checked how many trail markers remained along the river after the storm.

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

T																			
6688	8560	7656	3458	2022	6280	5185	2765	4346	6688	6619	6280	7656	3512	6619	2765	2376	7787		

6379	2765	4346	7503	8560	6688	6619	6280	3089	7752	8560	7656	7752							

$9962 - 3274 = \square \rightarrow \text{T}$

$5426 - 2661 = \square \rightarrow \text{R}$

$3936 - 424 = \square \rightarrow \text{D}$

$3844 - 1468 = \square \rightarrow \text{O}$

$7065 - 785 = \square \rightarrow \text{L}$

$10450 - 2794 = \square \rightarrow \text{E}$

$5696 - 1350 = \square \rightarrow \text{I}$

$7920 - 133 = \square \rightarrow \text{M}$

$12734 - 4982 = \square \rightarrow \text{S}$

$11103 - 4484 = \square \rightarrow \text{F}$

$10246 - 3867 = \square \rightarrow \text{B}$

$2200 - 178 = \square \rightarrow \text{U}$

$4963 - 1505 = \square \rightarrow \text{C}$

$7870 - 4781 = \square \rightarrow \text{A}$

$7923 - 2738 = \square \rightarrow \text{P}$

$8695 - 1192 = \square \rightarrow \text{G}$

$9596 - 1036 = \square \rightarrow \text{H}$

Scratch space:

CLUE 4

Multiplication facts (1-12)

The camp cook packed matching rows of energy snacks into each expedition pack.

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

A										A				A	
14	27	40	2	120	21	54	18	28	9	14	30	120	5	14	7
					A										
80	54	108	121	28	14	45	45	9	2	7	132	2	121	2	

$2 \times 7 = \square \rightarrow \boxed{\text{A}}$

$11 \times 12 = \square \rightarrow \boxed{\text{C}}$

$10 \times 8 = \square \rightarrow \boxed{\text{F}}$

$9 \times 6 = \square \rightarrow \boxed{\text{O}}$

$9 \times 2 = \square \rightarrow \boxed{\text{L}}$

$1 \times 7 = \square \rightarrow \boxed{\text{S}}$

$3 \times 10 = \square \rightarrow \boxed{\text{I}}$

$12 \times 10 = \square \rightarrow \boxed{\text{R}}$

$1 \times 9 = \square \rightarrow \boxed{\text{H}}$

$11 \times 11 = \square \rightarrow \boxed{\text{N}}$

$9 \times 3 = \square \rightarrow \boxed{\text{M}}$

$1 \times 5 = \square \rightarrow \boxed{\text{W}}$

$3 \times 7 = \square \rightarrow \boxed{\text{G}}$

$4 \times 7 = \square \rightarrow \boxed{\text{D}}$

$5 \times 9 = \square \rightarrow \boxed{\text{T}}$

$2 \times 1 = \square \rightarrow \boxed{\text{E}}$

$9 \times 12 = \square \rightarrow \boxed{\text{U}}$

$4 \times 10 = \square \rightarrow \boxed{\text{B}}$

Scratch space:

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

The team divided the wooden torches equally among all the search groups.

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:

$49 \div 7 = \boxed{}$

$55 \div 5 = \boxed{}$

$21 \div 7 = \boxed{}$

$72 \div 6 = \boxed{}$

$60 \div 6 = \boxed{}$

$12 \div 2 = \boxed{}$

$40 \div 5 = \boxed{}$

$2 \div 2 = \boxed{}$

$9 \div 1 = \boxed{}$

$10 \div 5 = \boxed{}$

$15 \div 3 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain consulted a brass compass, then scouted ahead with a spyglass.
2. The villain used a grappling hook, then escaped with glider wings.
3. The villain fired a signal flare, then dropped a smoke bomb.
4. The villain aligned the decoder ring, then dropped a smoke bomb.
5. The villain consulted a brass compass, then climbed away on a rope ladder.
6. The villain used a grappling hook, then lit the path with a torch.
7. The villain cleared vines with a machete, then escaped with glider wings.
8. The villain aligned the decoder ring, then lit the path with a torch.
9. The villain aligned the decoder ring, then climbed away on a rope ladder.
10. The villain cleared vines with a machete, then climbed away on a rope ladder.
11. The villain aligned the decoder ring, then scouted ahead with a spyglass.
12. The villain cleared vines with a machete, then scouted ahead with a spyglass.

Answer Key

The Mystery of the Sunken Jungle Temple

Culprit: Jasper Stone

Decoder Ring · Smoke Bomb · Right Handed · Amber Gold · Bright Flashes

Trail: Start 21 → Clue 1 16 → Clue 2 8 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE VILLAIN DOES NOT USE A ROPE LADDER"

Round 2,659 to the nearest thousand = 3000 (T) · Round 1,892 to the nearest thousand = 2000 (V) · Round 197 to the nearest hundred = 200 (I) · Round 3,651 to the nearest hundred = 3700 (U) · Round 114 to the nearest ten = 110 (H) · Round 92 to the nearest ten = 90 (R) · Round 922 to the nearest hundred = 900 (O) · Round 8,579 to the nearest thousand = 9000 (A) · Round 434 to the nearest ten = 430 (E) · Round 30 to the nearest ten = 30 (L) · Round 1,715 to the nearest hundred = 1700 (N) · Round 681 to the nearest hundred = 700 (P) · Round 339 to the nearest hundred = 300 (D) · Round 126 to the nearest ten = 130 (S)

Clue 2 (Addition): "THE SUSPECT LEFT A RIGHT HANDED PRINT"

$2683 + 1521 = 4204$ (T) · $1579 + 2806 = 4385$ (A) · $1386 + 1605 = 2991$ (N) · $3198 + 6187 = 9385$ (E) · $3364 + 4965 = 8329$ (R) · $5145 + 3588 = 8733$ (L) · $1938 + 3698 = 5636$ (D) · $4260 + 3237 = 7497$ (S) · $2110 + 3280 = 5390$ (U) · $4986 + 3940 = 8926$ (P) · $3088 + 3069 = 6157$ (G) · $2606 + 1254 = 3860$ (F) · $4131 + 2741 = 6872$ (I) · $1825 + 1233 = 3058$ (H) · $2859 + 2250 = 5109$ (C)

Clue 3 (Subtraction): "THE CULPRIT FLED FROM BRIGHT FLASHES"

$9962 - 3274 = 6688$ (T) · $5426 - 2661 = 2765$ (R) · $3936 - 424 = 3512$ (D) · $3844 - 1468 = 2376$ (O) · $7065 - 785 = 6280$ (L) · $10450 - 2794 = 7656$ (E) · $5696 - 1350 = 4346$ (I) · $7920 - 133 = 7787$ (M) · $12734 - 4982 = 7752$ (S) · $11103 - 4484 = 6619$ (F) · $10246 - 3867 = 6379$ (B) · $2200 - 178 = 2022$ (U) · $4963 - 1505 = 3458$ (C) · $7870 - 4781 = 3089$ (A) · $7923 - 2738 = 5185$ (P) · $8695 - 1192 = 7503$ (G) · $9596 - 1036 = 8560$ (H)

Clue 4 (Multiplication facts (1-12)): "AMBER GOLD HAIR WAS FOUND AT THE SCENE"

$2 \times 7 = 14$ (A) · $11 \times 12 = 132$ (C) · $10 \times 8 = 80$ (F) · $9 \times 6 = 54$ (O) · $9 \times 2 = 18$ (L) · $1 \times 7 = 7$ (S) · $3 \times 10 = 30$ (I) · $12 \times 10 = 120$ (R) · $1 \times 9 = 9$ (H) · $11 \times 11 = 121$ (N) · $9 \times 3 = 27$ (M) · $1 \times 5 = 5$ (W) · $3 \times 7 = 21$ (G) · $4 \times 7 = 28$ (D) · $5 \times 9 = 45$ (T) · $2 \times 1 = 2$ (E) · $9 \times 12 = 108$ (U) · $4 \times 10 = 40$ (B)

Clue 5 (Division facts (1-12)): surviving statement is box 4 → Jasper Stone

$49 \div 7 = 7$ · $55 \div 5 = 11$ · $21 \div 7 = 3$ · $72 \div 6 = 12$ · $60 \div 6 = 10$ · $12 \div 2 = 6$ · $40 \div 5 = 8$ · $2 \div 2 = 1$ · $9 \div 1 = 9$ · $10 \div 5 = 2$ · $15 \div 3 = 5$