



The Secret of the Sunken Temple

Grade 5 math · Multiplication, Rounding, Addition, Subtraction, Division · Reading level grades 3-4

Detective: _____ Date: _____

A mystery explorer sneaked into the Sunken Temple and snatched the ancient golden idol! Chief Archaeologist Vega needs your help to read the clues and unmask the culprit before they escape Isla Sol.

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 Treasure Hunter is _____

Possible suspects

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

NAME	GADGET	MAP GEAR	HANDEDNESS	BANDANA COLOR	TRAP VULNERABILITY
Kai Thorne	Smoke Bomb	Gem Magnifier	Right Handed	Blue Bandana	Net Traps
Ben Harper	Glider Pack	Decoded Journal	Right Handed	Red Bandana	Pit Traps
Liam Hunter	Sonic Whistle	Spyglass Lens	Left Handed	Blue Bandana	Net Traps
Maya Cruz	Sonic Whistle	Decoded Journal	Left Handed	Red Bandana	Dart Traps
Jax Mercer	Grappling Hook	Golden Key	Left Handed	Gold Bandana	Net Traps
Ava Sterling	Smoke Bomb	Gem Magnifier	Left Handed	Blue Bandana	Pit Traps
Chloe Marsh	Glider Pack	Spyglass Lens	Left Handed	Gold Bandana	Dart Traps
Mia Santos	Flashlight Glove	Decoded Journal	Right Handed	Gold Bandana	Pit Traps
Eli Brooks	Sonic Whistle	Golden Key	Left Handed	Blue Bandana	Dart Traps
Cole Mason	Flashlight Glove	Decoded Journal	Left Handed	Blue Bandana	Dart Traps
Amy Chen	Flashlight Glove	Brass Compass	Right Handed	Red Bandana	Net Traps
Lily Evans	Grappling Hook	Golden Key	Left Handed	Blue Bandana	Net Traps
Ella Croft	Smoke Bomb	Decoded Journal	Left Handed	Blue Bandana	Net Traps
Noah Wilde	Smoke Bomb	Brass Compass	Left Handed	Gold Bandana	Net Traps
Luke West	Grappling Hook	Golden Key	Right Handed	Gold Bandana	Dart Traps
Zara Stone	Flashlight Glove	Spyglass Lens	Right Handed	Blue Bandana	Dart Traps
Nora Drake	Glider Pack	Brass Compass	Right Handed	Blue Bandana	Pit Traps
Owen Frost	Smoke Bomb	Spyglass Lens	Left Handed	Blue Bandana	Net Traps
Zoe Briggs	Glider Pack	Golden Key	Right Handed	Red Bandana	Net Traps
Finn Gale	Grappling Hook	Decoded Journal	Left Handed	Gold Bandana	Dart Traps
Ivy Rhodes	Smoke Bomb	Golden Key	Left Handed	Blue Bandana	Net Traps

CLUE 1

Multiplication facts (1-12)

You find supply crates stacked in equal rows outside the temple gates.

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

T																T	
70	96	81	80	56	144	144	3	56	100	54	45	81	10	100	45	70	
27	10	81	3	54	81	24	45	54	81	54	28	45	27	55	100	3	144

$7 \times 10 = \square \rightarrow \boxed{\text{T}}$

$7 \times 8 = \square \rightarrow \boxed{\text{I}}$

$8 \times 3 = \square \rightarrow \boxed{\text{C}}$

$2 \times 5 = \square \rightarrow \boxed{\text{S}}$

$12 \times 12 = \square \rightarrow \boxed{\text{L}}$

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

$9 \times 9 = \square \rightarrow \boxed{\text{E}}$

$11 \times 5 = \square \rightarrow \boxed{\text{R}}$

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

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

$8 \times 12 = \square \rightarrow \boxed{\text{H}}$

$10 \times 10 = \square \rightarrow \boxed{\text{N}}$

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

$1 \times 3 = \square \rightarrow \boxed{\text{A}}$

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

Scratch space:

CLUE 2
Rounding

The glowing stone scanner on the temple door only displays rounded numbers.

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

T												T						T		
4300	2900	170	70	130	230	230	2300	130	1100	1300	700	130	4300	170	2000	1300	130	4300	2900	

T								T							
4300	2900	170	130	700	230	170	3000	4300	2900	2300	1100	500			

Round 4,255 to the nearest hundred → **T**

Round 452 to the nearest hundred → **D**

Round 2,513 to the nearest thousand → **F**

Round 127 to the nearest ten → **I**

Round 169 to the nearest ten → **E**

Round 2,297 to the nearest hundred → **A**

Round 1,271 to the nearest hundred → **W**

Round 682 to the nearest hundred → **R**

Round 2,873 to the nearest hundred → **H**

Round 2,373 to the nearest thousand → **S**

Round 232 to the nearest ten → **L**

Round 1,140 to the nearest hundred → **N**

Round 66 to the nearest ten → **V**

Scratch space:

CLUE 3 Addition

You gather up lost map scraps and add up the total count.

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

T													T							
3780	4827	3892	3111	6528	3696	3696	2332	6528	5524	3758	2332	8345	3780	8495	6528	6117	6117	3892	7299	

				T	T				
7368	3554	5524	3892	3780	3780	8495	2332	6117	8345

$2280 + 1500 = \square \rightarrow$ T	$2233 + 2594 = \square \rightarrow$ H	$3563 + 2965 = \square \rightarrow$ I
$2466 + 3058 = \square \rightarrow$ N	$5458 + 2887 = \square \rightarrow$ S	$1581 + 1973 = \square \rightarrow$ Y
$1672 + 2086 = \square \rightarrow$ W	$1698 + 1998 = \square \rightarrow$ L	$2572 + 4727 = \square \rightarrow$ D
$769 + 1563 = \square \rightarrow$ A	$4476 + 2892 = \square \rightarrow$ B	$2305 + 1587 = \square \rightarrow$ E
$2769 + 3348 = \square \rightarrow$ P	$3168 + 5327 = \square \rightarrow$ R	$2146 + 965 = \square \rightarrow$ V

Scratch space:

CLUE 4

Subtraction

You subtract the used torches to see how many lights remain.

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

A											A			A		A	
4409	5749	4474	2037	5625	2758	4931	5749	1618	7099	1837	5749	4409	8329	6076	4409	8329	4409

	A					A										
4649	4409	6103	1618	1837	6736	4931	4409	4931	4931	2758	1837	6103	6160	1837	8329	1837

$8794 - 4385 = \boxed{} \rightarrow \boxed{\text{A}}$

$6906 - 4869 = \boxed{} \rightarrow \boxed{\text{I}}$

$10111 - 3951 = \boxed{} \rightarrow \boxed{\text{C}}$

$7068 - 332 = \boxed{} \rightarrow \boxed{\text{F}}$

$6337 - 4500 = \boxed{} \rightarrow \boxed{\text{E}}$

$5436 - 2678 = \boxed{} \rightarrow \boxed{\text{H}}$

$6414 - 311 = \boxed{} \rightarrow \boxed{\text{S}}$

$7516 - 2585 = \boxed{} \rightarrow \boxed{\text{T}}$

$5980 - 355 = \boxed{} \rightarrow \boxed{\text{G}}$

$8110 - 2034 = \boxed{} \rightarrow \boxed{\text{D}}$

$2199 - 581 = \boxed{} \rightarrow \boxed{\text{L}}$

$11559 - 4460 = \boxed{} \rightarrow \boxed{\text{U}}$

$8371 - 2622 = \boxed{} \rightarrow \boxed{\text{B}}$

$9681 - 1352 = \boxed{} \rightarrow \boxed{\text{N}}$

$6601 - 2127 = \boxed{} \rightarrow \boxed{\text{R}}$

$8442 - 3793 = \boxed{} \rightarrow \boxed{\text{W}}$

Scratch space:

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

You divide the trail snacks equally among the expedition guides.

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:

$63 \div 7 = \boxed{}$

$80 \div 8 = \boxed{}$

$24 \div 2 = \boxed{}$

$48 \div 6 = \boxed{}$

$56 \div 8 = \boxed{}$

$22 \div 11 = \boxed{}$

$8 \div 8 = \boxed{}$

$121 \div 11 = \boxed{}$

$5 \div 1 = \boxed{}$

$24 \div 6 = \boxed{}$

$24 \div 8 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain vanished in a cloud of smoke, then inspected the gem magnifier.
2. The villain vanished in a cloud of smoke, then checked the brass compass.
3. The villain scared away the guard bats, then inspected the gem magnifier.
4. The villain soared over the tree canopy, then read the decoded journal.
5. The villain vanished in a cloud of smoke, then read the decoded journal.
6. The villain vanished in a cloud of smoke, then turned the golden key.
7. The villain scared away the guard bats, then turned the golden key.
8. The villain lit up the dark tunnel, then read the decoded journal.
9. The villain vanished in a cloud of smoke, then adjusted the spyglass lens.
10. The villain scared away the guard bats, then adjusted the spyglass lens.
11. The villain lit up the dark tunnel, then adjusted the spyglass lens.
12. The villain swung across the chasm, then turned the golden key.

Answer Key

The Secret of the Sunken Temple

Culprit: Ivy Rhodes

Smoke Bomb · Golden Key · Left Handed · Blue Bandana · Net Traps

Trail: Start 21 → Clue 1 15 → Clue 2 9 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE VILLAIN DOES NOT USE A DECODED JOURNAL"

$7 \times 10 = 70$ (T) · $7 \times 8 = 56$ (I) · $8 \times 3 = 24$ (C) · $2 \times 5 = 10$ (S) · $12 \times 12 = 144$ (L) · $6 \times 9 = 54$ (D) · $9 \times 9 = 81$ (E) · $11 \times 5 = 55$ (R) · $10 \times 8 = 80$ (V) · $9 \times 3 = 27$ (U) · $8 \times 12 = 96$ (H) · $10 \times 10 = 100$ (N) · $9 \times 5 = 45$ (O) · $1 \times 3 = 3$ (A) · $7 \times 4 = 28$ (J)

Clue 2 (Rounding): "THE VILLAIN WRITES WITH THEIR LEFT HAND"

Round 4,255 to the nearest hundred = 4300 (T) · Round 452 to the nearest hundred = 500 (D) · Round 2,513 to the nearest thousand = 3000 (F) · Round 127 to the nearest ten = 130 (I) · Round 169 to the nearest ten = 170 (E) · Round 2,297 to the nearest hundred = 2300 (A) · Round 1,271 to the nearest hundred = 1300 (W) · Round 682 to the nearest hundred = 700 (R) · Round 2,873 to the nearest hundred = 2900 (H) · Round 2,373 to the nearest thousand = 2000 (S) · Round 232 to the nearest ten = 230 (L) · Round 1,140 to the nearest hundred = 1100 (N) · Round 66 to the nearest ten = 70 (V)

Clue 3 (Addition): "THE VILLAIN WAS TRIPPED BY NET TRAPS"

$2280 + 1500 = 3780$ (T) · $2233 + 2594 = 4827$ (H) · $3563 + 2965 = 6528$ (I) · $2466 + 3058 = 5524$ (N) · $5458 + 2887 = 8345$ (S) · $1581 + 1973 = 3554$ (Y) · $1672 + 2086 = 3758$ (W) · $1698 + 1998 = 3696$ (L) · $2572 + 4727 = 7299$ (D) · $769 + 1563 = 2332$ (A) · $4476 + 2892 = 7368$ (B) · $2305 + 1587 = 3892$ (E) · $2769 + 3348 = 6117$ (P) · $3168 + 5327 = 8495$ (R) · $2146 + 965 = 3111$ (V)

Clue 4 (Subtraction): "A BRIGHT BLUE BANDANA WAS LEFT AT THE SCENE"

$8794 - 4385 = 4409$ (A) · $6906 - 4869 = 2037$ (I) · $10111 - 3951 = 6160$ (C) · $7068 - 332 = 6736$ (F) · $6337 - 4500 = 1837$ (E) · $5436 - 2678 = 2758$ (H) · $6414 - 311 = 6103$ (S) · $7516 - 2585 = 4931$ (T) · $5980 - 355 = 5625$ (G) · $8110 - 2034 = 6076$ (D) · $2199 - 581 = 1618$ (L) · $11559 - 4460 = 7099$ (U) · $8371 - 2622 = 5749$ (B) · $9681 - 1352 = 8329$ (N) · $6601 - 2127 = 4474$ (R) · $8442 - 3793 = 4649$ (W)

Clue 5 (Division facts (1-12)): surviving statement is box 6 → Ivy Rhodes

$63 \div 7 = 9$ · $80 \div 8 = 10$ · $24 \div 2 = 12$ · $48 \div 6 = 8$ · $56 \div 8 = 7$ · $22 \div 11 = 2$ · $8 \div 8 = 1$ · $121 \div 11 = 11$ · $5 \div 1 = 5$ · $24 \div 6 = 4$ · $24 \div 8 = 3$