



The Lost Medallion of Sunstone Isle

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

Detective: _____ **Date:** _____

Someone snuck into the Sunstone Temple and snatched the Golden Sun Medallion! Solve the clues to expose the culprit 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 Temple Thief is _____

Possible suspects

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

NAME	GADGET	VEHICLE	HANDEDNESS	FEATHER COLOR	TRAP VULNERABILITY
Aria Arch	Zip Line	Quad Copter	Left Handed	Red Feather	Net Trap
Finn Forest	Smoke Bomb	Dirt Bike	Right Handed	Red Feather	Net Trap
Milo Moss	Smoke Bomb	Dirt Bike	Right Handed	Green Feather	Loud Horn
Noah North	Smoke Bomb	Canoe	Left Handed	Red Feather	Loud Horn
Gabe Gear	Grappling Hook	Canoe	Right Handed	Green Feather	Net Trap
Sammy Swift	Smoke Bomb	Dirt Bike	Left Handed	Red Feather	Net Trap
Owen Oak	Smoke Bomb	Hover Skiff	Left Handed	Green Feather	Water Splash
Ella Echo	Grappling Hook	Jungle Buggy	Right Handed	Blue Feather	Loud Horn
Nora Nav	Zip Line	Hover Skiff	Left Handed	Red Feather	Water Splash
Zoe Zest	Zip Line	Dirt Bike	Left Handed	Red Feather	Loud Horn
Chloe Crest	Smoke Bomb	Hover Skiff	Left Handed	Blue Feather	Net Trap
Kai Scout	Jet Pack	Hover Skiff	Right Handed	Green Feather	Water Splash
Benny Bold	Smoke Bomb	Dirt Bike	Right Handed	Green Feather	Net Trap
Ivy Isle	Laser Cutter	Quad Copter	Left Handed	Green Feather	Loud Horn
Jake Jungle	Grappling Hook	Hover Skiff	Right Handed	Red Feather	Net Trap
Mia Map	Grappling Hook	Jungle Buggy	Left Handed	Blue Feather	Loud Horn
Leo Cruz	Grappling Hook	Quad Copter	Left Handed	Red Feather	Net Trap
Toby Trail	Zip Line	Canoe	Left Handed	Red Feather	Net Trap
Ruby River	Jet Pack	Quad Copter	Right Handed	Green Feather	Water Splash
Indiana Max	Smoke Bomb	Hover Skiff	Left Handed	Red Feather	Net Trap
Lily Vine	Zip Line	Dirt Bike	Left Handed	Red Feather	Net Trap

CLUE 1 Place value

You study the digits stamped into the temple key pad to read the first mystery code.

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

T																	
100	900	6000	60	400	6000	40	30	1000	500	1000	400	10	100	300	60	6000	40

			T				
1000	500	5000	100	70	500	30	6000

What is the value of the 1 in 4,179? → **T**

What is the value of the 1 in 3,216? → **O**

What is the value of the 9 in 4,925? → **H**

What is the value of the 7 in 370? → **B**

What is the value of the 3 in 2,394? → **U**

What is the value of the 6 in 369? → **S**

What is the value of the 4 in 946? → **A**

What is the value of the 5 in 4,543? → **I**

What is the value of the 4 in 1,483? → **N**

What is the value of the 3 in 7,031? → **K**

What is the value of the 1 in 91,096? → **D**

What is the value of the 5 in 75,817? → **R**

What is the value of the 6 in 6,142? → **E**

Scratch space:

CLUE 2 Addition

You tally up all the jungle trail markers to see how far the suspect traveled.

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

T									T				T					T
333	317	225	689	741	689	846	225	399	333	600	225	613	333	910	600	225	613	333

						T
317	910	962	674	846	212	799

$179 + 154 = \square \rightarrow \text{[T]}$

$314 + 648 = \square \rightarrow \text{[N]}$

$468 + 442 = \square \rightarrow \text{[A]}$

$261 + 138 = \square \rightarrow \text{[C]}$

$123 + 102 = \square \rightarrow \text{[E]}$

$366 + 480 = \square \rightarrow \text{[P]}$

$317 + 283 = \square \rightarrow \text{[L]}$

$263 + 426 = \square \rightarrow \text{[S]}$

$430 + 369 = \square \rightarrow \text{[I]}$

$223 + 451 = \square \rightarrow \text{[D]}$

$168 + 149 = \square \rightarrow \text{[H]}$

$388 + 225 = \square \rightarrow \text{[F]}$

$109 + 103 = \square \rightarrow \text{[R]}$

$519 + 222 = \square \rightarrow \text{[U]}$

Scratch space:

CLUE 3

Subtraction

You calculate how many gold coins are missing from the chest by taking away the remainder.

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

A														A	
802	883	269	330	284	410	330	284	410	284	361	792	792	348	802	204

883	792	559	204	204	361	125	792	631	361	792	631	330	361	868

$806 - 4 = \square \rightarrow \boxed{\text{A}}$

$649 - 365 = \square \rightarrow \boxed{\text{N}}$

$947 - 155 = \square \rightarrow \boxed{\text{T}}$

$955 - 396 = \square \rightarrow \boxed{\text{O}}$

$374 - 26 = \square \rightarrow \boxed{\text{R}}$

$427 - 97 = \square \rightarrow \boxed{\text{I}}$

$538 - 269 = \square \rightarrow \boxed{\text{W}}$

$385 - 24 = \square \rightarrow \boxed{\text{E}}$

$1100 - 232 = \square \rightarrow \boxed{\text{F}}$

$625 - 215 = \square \rightarrow \boxed{\text{G}}$

$473 - 269 = \square \rightarrow \boxed{\text{P}}$

$1264 - 381 = \square \rightarrow \boxed{\text{S}}$

$954 - 323 = \square \rightarrow \boxed{\text{H}}$

$344 - 219 = \square \rightarrow \boxed{\text{D}}$

Scratch space:

CLUE 4

Rounding

The ancient scout scanner shows rounded distance numbers on its screen.

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

T						T			T									
8000	30	7000	4000	7000	8000	7000	6000	8000	3000	5000	7000	40	90	600	900	4000	60	

				T			
700	7000	4000	40	7000	60	8000	30

Round 8,253 to the nearest thousand

→ **T**

Round 3,343 to the nearest thousand

→ **I**

Round 63 to the nearest ten

→ **A**

Round 932 to the nearest hundred

→ **N**

Round 4,919 to the nearest thousand

→ **V**

Round 576 to the nearest hundred

→ **U**

Round 3,779 to the nearest thousand

→ **D**

Round 37 to the nearest ten

→ **F**

Round 6,006 to the nearest thousand

→ **C**

Round 697 to the nearest hundred

→ **R**

Round 28 to the nearest ten

→ **H**

Round 7,406 to the nearest thousand

→ **E**

Round 87 to the nearest ten

→ **O**

Scratch space:

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

You share the remaining supply crates equally among the search teams to track the escape path.

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:

$55 \div 11 = \boxed{}$

$5 \div 5 = \boxed{}$

$32 \div 8 = \boxed{}$

$14 \div 7 = \boxed{}$

$72 \div 12 = \boxed{}$

$30 \div 10 = \boxed{}$

$70 \div 10 = \boxed{}$

$22 \div 2 = \boxed{}$

$63 \div 7 = \boxed{}$

$90 \div 9 = \boxed{}$

$88 \div 11 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain zipped across with a zip line, then flew off on a quad copter.
2. The villain blasted off with a jet pack, then roared off on a dirt bike.
3. The villain swung away with a grappling hook, then paddled away in a canoe.
4. The villain escaped under a smoke bomb, then sped away on a hover skiff.
5. The villain swung away with a grappling hook, then flew off on a quad copter.
6. The villain escaped under a smoke bomb, then roared off on a dirt bike.
7. The villain swung away with a grappling hook, then drove off in a jungle buggy.
8. The villain cut through bars with a laser, then sped away on a hover skiff.
9. The villain zipped across with a zip line, then drove off in a jungle buggy.
10. The villain swung away with a grappling hook, then sped away on a hover skiff.
11. The villain escaped under a smoke bomb, then flew off on a quad copter.
12. The villain zipped across with a zip line, then paddled away in a canoe.

Answer Key

The Lost Medallion of Sunstone Isle

Culprit: Toby Trail

Zip Line · Canoe · Left Handed · Red Feather · Net Trap

Trail: Start 21 → Clue 1 15 → Clue 2 10 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE SNEAK DID NOT USE A DIRT BIKE"

What is the value of the 1 in 4,179? = 100 (T) · What is the value of the 1 in 3,216? = 10 (O) · What is the value of the 9 in 4,925? = 900 (H) · What is the value of the 7 in 370? = 70 (B) · What is the value of the 3 in 2,394? = 300 (U) · What is the value of the 6 in 369? = 60 (S) · What is the value of the 4 in 946? = 40 (A) · What is the value of the 5 in 4,543? = 500 (I) · What is the value of the 4 in 1,483? = 400 (N) · What is the value of the 3 in 7,031? = 30 (K) · What is the value of the 1 in 91,096? = 1000 (D) · What is the value of the 5 in 75,817? = 5000 (R) · What is the value of the 6 in 6,142? = 6000 (E)

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

$179 + 154 = 333$ (T) · $314 + 648 = 962$ (N) · $468 + 442 = 910$ (A) · $261 + 138 = 399$ (C) · $123 + 102 = 225$ (E) · $366 + 480 = 846$ (P) · $317 + 283 = 600$ (L) · $263 + 426 = 689$ (S) · $430 + 369 = 799$ (I) · $223 + 451 = 674$ (D) · $168 + 149 = 317$ (H) · $388 + 225 = 613$ (F) · $109 + 103 = 212$ (R) · $519 + 222 = 741$ (U)

Clue 3 (Subtraction): "A SWINGING NET TRAP STOPPED THE THIEF"

$806 - 4 = 802$ (A) · $649 - 365 = 284$ (N) · $947 - 155 = 792$ (T) · $955 - 396 = 559$ (O) · $374 - 26 = 348$ (R) · $427 - 97 = 330$ (I) · $538 - 269 = 269$ (W) · $385 - 24 = 361$ (E) · $1100 - 232 = 868$ (F) · $625 - 215 = 410$ (G) · $473 - 269 = 204$ (P) · $1264 - 381 = 883$ (S) · $954 - 323 = 631$ (H) · $344 - 219 = 125$ (D)

Clue 4 (Rounding): "THE DETECTIVE FOUND A RED FEATHER"

Round 8,253 to the nearest thousand = 8000 (T) · Round 3,343 to the nearest thousand = 3000 (I) · Round 63 to the nearest ten = 60 (A) · Round 932 to the nearest hundred = 900 (N) · Round 4,919 to the nearest thousand = 5000 (V) · Round 576 to the nearest hundred = 600 (U) · Round 3,779 to the nearest thousand = 4000 (D) · Round 37 to the nearest ten = 40 (F) · Round 6,006 to the nearest thousand = 6000 (C) · Round 697 to the nearest hundred = 700 (R) · Round 28 to the nearest ten = 30 (H) · Round 7,406 to the nearest thousand = 7000 (E) · Round 87 to the nearest ten = 90 (O)

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

$55 \div 11 = 5$ · $5 \div 5 = 1$ · $32 \div 8 = 4$ · $14 \div 7 = 2$ · $72 \div 12 = 6$ · $30 \div 10 = 3$ · $70 \div 10 = 7$ · $22 \div 2 = 11$ · $63 \div 7 = 9$ · $90 \div 9 = 10$ · $88 \div 11 = 8$