



The Jungle Temple Mystery

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

Detective: _____ Date: _____

A mysterious rogue bandit sneaked into the jungle camp and swiped the sacred golden artifact! Track down the clues across the ruins to identify the bandit.

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 bandit is _____

Possible suspects

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

NAME	ADVENTURE GEAR	ANCIENT RELIC	DOMINANT HAND	HAIRSTYLE	DEFENSE ITEM
Lara	LED Headlamp	Silver Map	Left Handed	Braided Hair	Loud Whistle
Rosa	LED Headlamp	Golden Compass	Left Handed	Buzz Cut	Loud Whistle
Indiana	Grappling Hook	Ruby Idol	Left Handed	Buzz Cut	Muddy Net
Nina	Jungle Machete	Jade Key	Left Handed	Braided Hair	Loud Whistle
Ruby	Brass Compass	Bronze Coin	Left Handed	Braided Hair	Loud Whistle
Hank	Brass Compass	Bronze Coin	Left Handed	Buzz Cut	Muddy Net
Iris	Field Binoculars	Golden Compass	Right Handed	Braided Hair	Bright Flashlight
Diego	Grappling Hook	Golden Compass	Left Handed	Braided Hair	Loud Whistle
Sam	Grappling Hook	Ruby Idol	Left Handed	Buzz Cut	Loud Whistle
Rex	Jungle Machete	Silver Map	Right Handed	Braided Hair	Loud Whistle
Clara	Grappling Hook	Ruby Idol	Left Handed	Spiky Hair	Loud Whistle
Chloe	Jungle Machete	Golden Compass	Left Handed	Spiky Hair	Loud Whistle
Amelia	Brass Compass	Silver Map	Right Handed	Spiky Hair	Muddy Net
Hugo	Brass Compass	Silver Map	Left Handed	Buzz Cut	Muddy Net
Nate	LED Headlamp	Bronze Coin	Left Handed	Buzz Cut	Loud Whistle
Toby	Brass Compass	Silver Map	Right Handed	Buzz Cut	Loud Whistle
Jack	Jungle Machete	Silver Map	Right Handed	Buzz Cut	Loud Whistle
Finn	Brass Compass	Jade Key	Left Handed	Buzz Cut	Loud Whistle
Mateo	Field Binoculars	Bronze Coin	Left Handed	Buzz Cut	Loud Whistle
Maya	Grappling Hook	Bronze Coin	Right Handed	Buzz Cut	Muddy Net
Zack	Jungle Machete	Bronze Coin	Right Handed	Buzz Cut	Bright Flashlight

CLUE 1 Place value

You inspect the digital lock place value by place value to reveal the hidden vault code.

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

T																			
8000	500	6000	20	1000	6000	700	800	7000	300	700	1000	900	200	8000	900	4000	6000	20	
		T																	
1000	4000	8000	500	700	40	6000	700	2000	700	900	6000	800	6000	7000					

What is the value of the 8 in 68,955?

→ T

What is the value of the 4 in 545?

→ V

What is the value of the 8 in 9,876?

→ K

What is the value of the 3 in 326?

→ B

What is the value of the 1 in 81,457?

→ N

What is the value of the 2 in 263?

→ I

What is the value of the 7 in 7,653?

→ Y

What is the value of the 4 in 4,616?

→ O

What is the value of the 2 in 928?

→ S

What is the value of the 6 in 56,723?

→ E

What is the value of the 5 in 9,572?

→ H

What is the value of the 9 in 1,964?

→ D

What is the value of the 2 in 62,130?

→ J

What is the value of the 7 in 750?

→ A

Scratch space:

CLUE 2 Addition

You total up all the scattered trail markers to find the sum of clues left on the path.

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

W									W										
8455	6527	6033	4200	2360	7310	7310	7310	4687	8455	6033	8225	2360	3277	4309	5302	6483	2868	6527	6033

W					W											
8455	2868	6527	6033	2360	8455	6527	6033	8225	5302	2360	4660	6033	8225	4687	4200	3562

$4577 + 3878 = \square \rightarrow$ W	$1107 + 2455 = \square \rightarrow$ D	$2644 + 4666 = \square \rightarrow$ S
$868 + 1492 = \square \rightarrow$ E	$2900 + 3583 = \square \rightarrow$ P	$2139 + 2061 = \square \rightarrow$ N
$2516 + 1793 = \square \rightarrow$ U	$2527 + 2133 = \square \rightarrow$ F	$1590 + 1687 = \square \rightarrow$ C
$1960 + 2727 = \square \rightarrow$ A	$2248 + 3785 = \square \rightarrow$ T	$1897 + 971 = \square \rightarrow$ R
$2975 + 2327 = \square \rightarrow$ L	$3174 + 3353 = \square \rightarrow$ I	$4572 + 3653 = \square \rightarrow$ H

Scratch space:

CLUE 3
Subtraction

You check the missing expedition supplies by taking away what remains from the original crate.

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

A																			
2123	6838	8643	1766	5329	3929	3443	8975	3118	5061	6838	8963	3118	3501	2123	2583	8963	5329		

						A		A			A					
5061	3443	8963	2583	1766	8886	2123	3929	2123	8160	2082	2123	8886	5329	8975	5061	

$6115 - 3992 = \square \rightarrow \text{A}$

$3245 - 1163 = \square \rightarrow \text{B}$

$6697 - 1368 = \square \rightarrow \text{D}$

$11874 - 3714 = \square \rightarrow \text{Y}$

$5259 - 198 = \square \rightarrow \text{T}$

$7297 - 459 = \square \rightarrow \text{L}$

$8151 - 4222 = \square \rightarrow \text{W}$

$3632 - 514 = \square \rightarrow \text{S}$

$4176 - 2410 = \square \rightarrow \text{U}$

$5537 - 2036 = \square \rightarrow \text{C}$

$7391 - 4808 = \square \rightarrow \text{R}$

$9269 - 306 = \square \rightarrow \text{E}$

$11599 - 2624 = \square \rightarrow \text{I}$

$13399 - 4513 = \square \rightarrow \text{N}$

$11264 - 2621 = \square \rightarrow \text{O}$

$4345 - 902 = \square \rightarrow \text{H}$

Scratch space:

CLUE 4
Multiplication facts (1-12)

You count equal rows of stone floor tiles to find the total area of the puzzle room.

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

S																S	
32	66	18	22	90	36	14	24	24	7	14	90	66	16	20	22	32	
21	3	22	3	70	22	18	30	30	3	70	12	3	16	22	90	66	3
100	16	30															

$8 \times 4 = \square \rightarrow$ S	$3 \times 8 = \square \rightarrow$ Z	$3 \times 1 = \square \rightarrow$ E	$6 \times 6 = \square \rightarrow$ B
$10 \times 9 = \square \rightarrow$ T	$4 \times 3 = \square \rightarrow$ N	$7 \times 10 = \square \rightarrow$ D	
$2 \times 9 = \square \rightarrow$ O	$1 \times 7 = \square \rightarrow$ C	$11 \times 2 = \square \rightarrow$ R	
$10 \times 10 = \square \rightarrow$ M	$3 \times 7 = \square \rightarrow$ W	$8 \times 2 = \square \rightarrow$ A	
$4 \times 5 = \square \rightarrow$ I	$2 \times 7 = \square \rightarrow$ U	$6 \times 11 = \square \rightarrow$ H	$6 \times 5 = \square \rightarrow$ P

Scratch space:

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

You divide the discovered supplies into equal packs for each scout on the trail.

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:

$84 \div 12 = \boxed{}$

$80 \div 10 = \boxed{}$

$44 \div 11 = \boxed{}$

$144 \div 12 = \boxed{}$

$99 \div 11 = \boxed{}$

$15 \div 5 = \boxed{}$

$35 \div 7 = \boxed{}$

$100 \div 10 = \boxed{}$

$66 \div 11 = \boxed{}$

$11 \div 11 = \boxed{}$

$18 \div 9 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain checked direction with a brass compass, then snatched the ruby idol.
2. The villain spied from afar with field binoculars, then swiped the silver map.
3. The villain swung from vines with a grappling hook, then grabbed the golden compass.
4. The villain lit dark caves with an led headlamp, then grabbed the golden compass.
5. The villain cut through brush with a jungle machete, then grabbed the golden compass.
6. The villain cut through brush with a jungle machete, then pocketed the bronze coin.
7. The villain spied from afar with field binoculars, then pocketed the bronze coin.
8. The villain swung from vines with a grappling hook, then snatched the ruby idol.
9. The villain spied from afar with field binoculars, then grabbed the golden compass.
10. The villain swung from vines with a grappling hook, then pocketed the bronze coin.
11. The villain lit dark caves with an led headlamp, then pocketed the bronze coin.
12. The villain cut through brush with a jungle machete, then swiped the silver map.

Answer Key

The Jungle Temple Mystery

Culprit: Nate

LED Headlamp · Bronze Coin · Left Handed · Buzz Cut · Loud Whistle

Trail: Start 21 → Clue 1 19 → Clue 2 12 → Clue 3 9 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE SNEAKY BANDIT DOES NOT HAVE A JADE KEY"

What is the value of the 8 in 68,955? = 8000 (T) · What is the value of the 4 in 545? = 40 (V) · What is the value of the 8 in 9,876? = 800 (K) · What is the value of the 3 in 326? = 300 (B) · What is the value of the 1 in 81,457? = 1000 (N) · What is the value of the 2 in 263? = 200 (I) · What is the value of the 7 in 7,653? = 7000 (Y) · What is the value of the 4 in 4,616? = 4000 (O) · What is the value of the 2 in 928? = 20 (S) · What is the value of the 6 in 56,723? = 6000 (E) · What is the value of the 5 in 9,572? = 500 (H) · What is the value of the 9 in 1,964? = 900 (D) · What is the value of the 2 in 62,130? = 2000 (J) · What is the value of the 7 in 750? = 700 (A)

Clue 2 (Addition): "WITNESS SAW THE CULPRIT WRITE WITH LEFT HAND"

4577 + 3878 = 8455 (W) · 1107 + 2455 = 3562 (D) · 2644 + 4666 = 7310 (S) · 868 + 1492 = 2360 (E) · 2900 + 3583 = 6483 (P) · 2139 + 2061 = 4200 (N) · 2516 + 1793 = 4309 (U) · 2527 + 2133 = 4660 (F) · 1590 + 1687 = 3277 (C) · 1960 + 2727 = 4687 (A) · 2248 + 3785 = 6033 (T) · 1897 + 971 = 2868 (R) · 2975 + 2327 = 5302 (L) · 3174 + 3353 = 6527 (I) · 4572 + 3653 = 8225 (H)

Clue 3 (Subtraction): "A LOUD WHISTLE SCARED THE RUNAWAY BANDIT"

6115 - 3992 = 2123 (A) · 3245 - 1163 = 2082 (B) · 6697 - 1368 = 5329 (D) · 11874 - 3714 = 8160 (Y) · 5259 - 198 = 5061 (T) · 7297 - 459 = 6838 (L) · 8151 - 4222 = 3929 (W) · 3632 - 514 = 3118 (S) · 4176 - 2410 = 1766 (U) · 5537 - 2036 = 3501 (C) · 7391 - 4808 = 2583 (R) · 9269 - 306 = 8963 (E) · 11599 - 2624 = 8975 (I) · 13399 - 4513 = 8886 (N) · 11264 - 2621 = 8643 (O) · 4345 - 902 = 3443 (H)

Clue 4 (Multiplication facts (1-12)): "SHORT BUZZ CUT HAIRS WERE DROPPED NEAR THE MAP"

$8 \times 4 = 32$ (S) · $3 \times 8 = 24$ (Z) · $3 \times 1 = 3$ (E) · $6 \times 6 = 36$ (B) · $10 \times 9 = 90$ (T) · $4 \times 3 = 12$ (N) · $7 \times 10 = 70$ (D) · $2 \times 9 = 18$ (O) · $1 \times 7 = 7$ (C) · $11 \times 2 = 22$ (R) · $10 \times 10 = 100$ (M) · $3 \times 7 = 21$ (W) · $8 \times 2 = 16$ (A) · $4 \times 5 = 20$ (I) · $2 \times 7 = 14$ (U) · $6 \times 11 = 66$ (H) · $6 \times 5 = 30$ (P)

Clue 5 (Division facts (1-12)): surviving statement is box 11 → Nate

$84 \div 12 = 7$ · $80 \div 10 = 8$ · $44 \div 11 = 4$ · $144 \div 12 = 12$ · $99 \div 11 = 9$ · $15 \div 5 = 3$ · $35 \div 7 = 5$ · $100 \div 10 = 10$ · $66 \div 11 = 6$ · $11 \div 11 = 1$ · $18 \div 9 = 2$