



The Lost Temple Mystery

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

Detective: _____ **Date:** _____

A rogue explorer has snuck into the Lost Temple of the Golden Monkey and stolen the legendary golden banana trophy! The Chief Archaeologist needs your help to track down the thief and recover the artifact. Use your math skills to decode the clues left behind!

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 explorer is _____

Possible suspects

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

NAME	GEAR	ARTIFACT	DOMINANT HAND	HAIR COLOR	FEAR
Noah	rope ladder	secret diary	left-handed	brown hair	dislikes muddy paths
Ruby	magnifying glass	secret diary	right-handed	brown hair	scared of heights
Sam	grappling hook	ruby key	left-handed	blonde hair	scared of heights
Lily	machete	secret diary	right-handed	black hair	dislikes muddy paths
Isla	magnifying glass	secret diary	right-handed	black hair	dislikes muddy paths
Sophia	metal detector	golden compass	right-handed	black hair	dislikes muddy paths
Leo	rope ladder	ruby key	right-handed	blonde hair	afraid of spiders
Olivia	rope ladder	bronze coin	right-handed	blonde hair	dislikes muddy paths
Toby	metal detector	ruby key	right-handed	black hair	dislikes muddy paths
Benny	metal detector	bronze coin	right-handed	black hair	afraid of spiders
Grace	rope ladder	secret diary	right-handed	black hair	scared of heights
Mia	metal detector	ancient map	right-handed	brown hair	afraid of spiders
Zoe	machete	ruby key	right-handed	black hair	dislikes muddy paths
Alex	metal detector	golden compass	right-handed	blonde hair	dislikes muddy paths
Peter	machete	ruby key	left-handed	black hair	dislikes muddy paths
Max	machete	secret diary	right-handed	blonde hair	dislikes muddy paths
Henry	machete	bronze coin	left-handed	black hair	afraid of spiders
Felix	magnifying glass	ancient map	right-handed	black hair	afraid of spiders
Katie	magnifying glass	ruby key	right-handed	brown hair	afraid of spiders
Emma	magnifying glass	ancient map	left-handed	brown hair	dislikes muddy paths
Chloe	metal detector	ancient map	right-handed	brown hair	dislikes muddy paths

CLUE 1

Your team finds a rusty temple scale. It only measures weight to the nearest ten pounds. Round the weights of your supply bags to find the secret path.

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

Diagram illustrating a sequence of numbers arranged in two rows of boxes. The top row contains 18 boxes, and the bottom row contains 18 boxes. Some boxes are shaded orange and contain the letter 'T'.

Top row (from left to right):

- Box 1: Orange, contains 'T', value 430
- Box 2: White, value 170
- Box 3: White, value 3700
- Box 4: White, value 300
- Box 5: White, value 5000
- Box 6: White, value 200
- Box 7: White, value 200
- Box 8: White, value 110
- Box 9: White, value 5000
- Box 10: White, value 500
- Box 11: White, value 2300
- Box 12: White, value 1100
- Box 13: White, value 3700
- Box 14: White, value 50
- Box 15: White, value 500
- Box 16: White, value 1100
- Box 17: Orange, contains 'T', value 430

Bottom row (from left to right):

- Box 1: White, value 170
- Box 2: White, value 110
- Box 3: White, value 300
- Box 4: White, value 3700
- Box 5: Orange, contains 'T', value 430
- Box 6: White, value 170
- Box 7: White, value 3700
- Box 8: White, value 90
- Box 9: White, value 1100
- Box 10: White, value 200
- Box 11: White, value 2300
- Box 12: White, value 3700
- Box 13: White, value 500
- Box 14: White, value 3000
- Box 15: White, value 1100
- Box 16: White, value 900
- Box 17: White, value 1700
- Box 18: White, value 110
- Box 19: White, value 50
- Box 20: White, value 50

Round 426 to the nearest ten $\rightarrow$ **T**

Round 51 to the nearest ten $\rightarrow$ **S**

Round 528 to the nearest hundred → **N**

Round 1,740 to the nearest hundred → **P**

Round 168 to the nearest ten	→	H
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Round 303 to the nearest hundred → **V**

Round 900 to the nearest hundred $\rightarrow$ **M**

Round 87 to the nearest ten → **G**

Round 227 to the nearest hundred $\rightarrow$ **L**

Round 5,357 to the nearest thousand $\rightarrow$

Round 1,123 to the nearest hundred →

Round 3,715 to the nearest hundred → **E**

Round 2,343 to the nearest hundred → **D**

Round 3,209 to the nearest thousand → **C**

Round 111 to the nearest ten $\rightarrow$ **A**

Scratch space:

CLUE 2 Addition

To unlock the heavy stone door, you must add up the total number of carved monkey statues along the temple walls.

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

T																	T		
2646	8976	8427	3108	9214	9307	9307	7355	9214	5454	3928	6538	7355	9031	9031	8427	8864	2646	8976	8427
					T		T							T					
6603	8302	4300	2676	9214	2646	8976	2646	8976	8427	6538	9214	3928	8976	2646	8976	7355	5454	8864	

$1244 + 1402 = \square \rightarrow \text{**T**}$

$3443 + 3912 = \square \rightarrow \text{**A**}$

$1434 + 1242 = \square \rightarrow \text{**W**}$

$1431 + 1677 = \square \rightarrow \text{**V**}$

$3303 + 3300 = \square \rightarrow \text{**C**}$

$3605 + 4822 = \square \rightarrow \text{**E**}$

$4105 + 5109 = \square \rightarrow \text{**I**}$

$4052 + 4250 = \square \rightarrow \text{**U**}$

$1484 + 2816 = \square \rightarrow \text{**P**}$

$2305 + 1623 = \square \rightarrow \text{**G**}$

$5316 + 3548 = \square \rightarrow \text{**D**}$

$4164 + 4812 = \square \rightarrow \text{**H**}$

$3473 + 1981 = \square \rightarrow \text{**N**}$

$3602 + 2936 = \square \rightarrow \text{**R**}$

$3500 + 5531 = \square \rightarrow \text{**B**}$

$2841 + 6466 = \square \rightarrow \text{**L**}$

Scratch space:

Subtraction

A giant boulder blocked the path, but the villain used some dynamite. Subtract the weight of the debris to see how much of the trail is clear.

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

Diagram illustrating a sequence of numbers arranged in two rows of boxes. The top row contains 18 boxes, and the bottom row contains 12 boxes. Some boxes are shaded orange and labeled 'T', indicating they are 'true' or 'active'.

Top row (18 boxes):

- Box 1: Shaded orange, labeled 'T'. Number below: 3724
- Box 2: White. Number below: 2511
- Box 3: White. Number below: 3729
- Box 4: White. Number below: 2718
- Box 5: White. Number below: 3307
- Box 6: White. Number below: 2046
- Box 7: White. Number below: 2046
- Box 8: White. Number below: 1366
- Box 9: White. Number below: 3307
- Box 10: White. Number below: 2795
- Box 11: White. Number below: 3010
- Box 12: White. Number below: 1544
- Box 13: White. Number below: 3294
- Box 14: White. Number below: 2046
- Box 15: White. Number below: 2040
- Box 16: White. Number below: 2795
- Box 17: White. Number below: 1544
- Box 18: Shaded orange, labeled 'T'. Number below: 3724

Bottom row (12 boxes):

- Box 1: White. Number below: 3010
- Box 2: White. Number below: 1366
- Box 3: White. Number below: 2046
- Box 4: White. Number below: 3642
- Box 5: White. Number below: 3307
- Box 6: White. Number below: 2795
- Box 7: Shaded orange, labeled 'T'. Number below: 3724
- Box 8: White. Number below: 2511
- Box 9: White. Number below: 3729
- Box 10: White. Number below: 3010
- Box 11: White. Number below: 3729
- Box 12: Shaded orange, labeled 'T'. Number below: 3724
- Box 13: White. Number below: 5854
- Box 14: White. Number below: 3294
- Box 15: White. Number below: 2040

$$7029 - 3305 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$7396 - 4102 = \boxed{} \rightarrow \boxed{\text{U}}$$

$$7028 - 4018 = \boxed{} \rightarrow \boxed{\text{W}}$$

$6775 - 921 = \boxed{} \rightarrow \boxed{\text{M}}$

$$2514 - 1148 = \boxed{} \rightarrow \boxed{\mathbf{A}}$$

$$5231 - 2436 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$4930 - 2212 = \boxed{} \rightarrow \boxed{\mathbf{v}}$$

$$3781 - 139 = \boxed{} \rightarrow \boxed{\text{K}}$$

$$2872 - 826 = \boxed{} \rightarrow \boxed{\text{L}}$$

$3322 - 15 = \boxed{} \rightarrow \boxed{\text{I}}$

$$6341 - 3830 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$2987 - 1443 = \boxed{} \rightarrow \boxed{0}$$

$$7092 - 3363 = \boxed{} \rightarrow \boxed{\text{E}}$$

$$6111 - 4071 = \boxed{} \rightarrow \boxed{\text{D}}$$

Scratch space:

CLUE 4

Multiplication facts (1-12)

You find rows of glowing beetle gems on the wall. Multiply the number of rows by the beetles in each row to solve the lock puzzle.

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

S																S
96	32	144	28	42	10	48	120	70	7	48	2	60	4	48	96	
10	28	8	16	32	9	16	7	28	16	28	144	27	10	28	4	48

$12 \times 8 = \square \rightarrow \text{S}$

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

$4 \times 7 = \square \rightarrow \text{E}$

$2 \times 1 = \square \rightarrow \text{I}$

$4 \times 2 = \square \rightarrow \text{F}$

$6 \times 10 = \square \rightarrow \text{R}$

$12 \times 12 = \square \rightarrow \text{M}$

$3 \times 3 = \square \rightarrow \text{N}$

$4 \times 8 = \square \rightarrow \text{O}$

$10 \times 7 = \square \rightarrow \text{K}$

$6 \times 7 = \square \rightarrow \text{B}$

$2 \times 2 = \square \rightarrow \text{W}$

$2 \times 8 = \square \rightarrow \text{T}$

$9 \times 3 = \square \rightarrow \text{P}$

$12 \times 10 = \square \rightarrow \text{C}$

$2 \times 5 = \square \rightarrow \text{L}$

$8 \times 6 = \square \rightarrow \text{A}$

Scratch space:

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

To escape the temple, you must share the crystal keys equally among your team members. Divide the total keys to find your path out.

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:

$6 \div 2 = \boxed{}$

$24 \div 2 = \boxed{}$

$30 \div 5 = \boxed{}$

$33 \div 3 = \boxed{}$

$12 \div 6 = \boxed{}$

$20 \div 2 = \boxed{}$

$5 \div 5 = \boxed{}$

$63 \div 7 = \boxed{}$

$10 \div 2 = \boxed{}$

$7 \div 1 = \boxed{}$

$88 \div 11 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain climbs up the stone wall with a rope ladder, then scribbles notes in a secret diary.
2. The villain searches the sandy floor with a metal detector, then finds north using a golden compass.
3. The villain clears the thick vines with a machete, then unlocks the stone chest with a ruby key.
4. The villain clears the thick vines with a machete, then scribbles notes in a secret diary.
5. The villain climbs up the stone wall with a rope ladder, then unlocks the stone chest with a ruby key.
6. The villain examines the ancient writing with a magnifying glass, then scribbles notes in a secret diary.
7. The villain swings across the canyon with a grappling hook, then scribbles notes in a secret diary.
8. The villain clears the thick vines with a machete, then places a bronze coin into the hidden slot.
9. The villain examines the ancient writing with a magnifying glass, then checks the directions on an ancient map.
10. The villain examines the ancient writing with a magnifying glass, then finds north using a golden compass.
11. The villain swings across the canyon with a grappling hook, then unlocks the stone chest with a ruby key.
12. The villain searches the sandy floor with a metal detector, then unlocks the stone chest with a ruby key.

Answer Key

The Lost Temple Mystery

Culprit: Lily

machete · secret diary · right-handed · black hair · dislikes muddy paths

Trail: Start 21 → Clue 1 19 → Clue 2 14 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE VILLAIN DOES NOT HAVE THE GOLDEN COMPASS"

Round 426 to the nearest ten = 430 (T) · Round 51 to the nearest ten = 50 (S) · Round 528 to the nearest hundred = 500 (N) · Round 1,740 to the nearest hundred = 1700 (P) · Round 168 to the nearest ten = 170 (H) · Round 303 to the nearest hundred = 300 (V) · Round 900 to the nearest hundred = 900 (M) · Round 87 to the nearest ten = 90 (G) · Round 227 to the nearest hundred = 200 (L) · Round 5,357 to the nearest thousand = 5000 (I) · Round 1,123 to the nearest hundred = 1100 (O) · Round 3,715 to the nearest hundred = 3700 (E) · Round 2,343 to the nearest hundred = 2300 (D) · Round 3,209 to the nearest thousand = 3000 (C) · Round 111 to the nearest ten = 110 (A)

Clue 2 (Addition): "THE VILLAIN GRABBED THE CUP WITH THE RIGHT HAND"

1244 + 1402 = 2646 (T) · 3443 + 3912 = 7355 (A) · 1434 + 1242 = 2676 (W) · 1431 + 1677 = 3108 (V) · 3303 + 3300 = 6603 (C) · 3605 + 4822 = 8427 (E) · 4105 + 5109 = 9214 (I) · 4052 + 4250 = 8302 (U) · 1484 + 2816 = 4300 (P) · 2305 + 1623 = 3928 (G) · 5316 + 3548 = 8864 (D) · 4164 + 4812 = 8976 (H) · 3473 + 1981 = 5454 (N) · 3602 + 2936 = 6538 (R) · 3500 + 5531 = 9031 (B) · 2841 + 6466 = 9307 (L)

Clue 3 (Subtraction): "THE VILLAIN WOULD NOT WALK IN THE WET MUD"

7029 - 3305 = 3724 (T) · 7396 - 4102 = 3294 (U) · 7028 - 4018 = 3010 (W) · 6775 - 921 = 5854 (M) · 2514 - 1148 = 1366 (A) · 5231 - 2436 = 2795 (N) · 4930 - 2212 = 2718 (V) · 3781 - 139 = 3642 (K) · 2872 - 826 = 2046 (L) · 3322 - 15 = 3307 (I) · 6341 - 3830 = 2511 (H) · 2987 - 1443 = 1544 (O) · 7092 - 3363 = 3729 (E) · 6111 - 4071 = 2040 (D)

Clue 4 (Multiplication facts (1-12)): "SOME BLACK HAIR WAS LEFT ON THE TEMPLE WALL"

12 × 8 = 96 (S) · 7 × 1 = 7 (H) · 4 × 7 = 28 (E) · 2 × 1 = 2 (I) · 4 × 2 = 8 (F) · 6 × 10 = 60 (R) · 12 × 12 = 144 (M) · 3 × 3 = 9 (N) · 4 × 8 = 32 (O) · 10 × 7 = 70 (K) · 6 × 7 = 42 (B) · 2 × 2 = 4 (W) · 2 × 8 = 16 (T) · 9 × 3 = 27 (P) · 12 × 10 = 120 (C) · 2 × 5 = 10 (L) · 8 × 6 = 48 (A)

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

6 ÷ 2 = 3 · 24 ÷ 2 = 12 · 30 ÷ 5 = 6 · 33 ÷ 3 = 11 · 12 ÷ 6 = 2 · 20 ÷ 2 = 10 · 5 ÷ 5 = 1 · 63 ÷ 7 = 9 · 10 ÷ 2 = 5 · 7 ÷ 1 = 7 · 88 ÷ 11 = 8