



The Mystery of the Temple Idol

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

Detective: _____ **Date:** _____

Someone broke into the base camp museum and stole the Golden Jaguar Idol. Detective, check the camp logs and track down the thief.

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	PRIMARY TOOL	CAMP GEAR	DOMINANT HAND	HEADGEAR	FEAR
Sam Wilder	Smoke Bomb	Rope Coil	Right Handed	Leather Cap	Bats
Kim Possible	Machete	Compass	Left Handed	Pith Helmet	Spiders
Ivy Reed	Torch Flare	Binoculars	Left Handed	Leather Cap	Spiders
Ruby West	Torch Flare	Compass	Left Handed	Bandana	Spiders
Ben Sterling	Glider Wings	Rope Coil	Right Handed	Pith Helmet	Spiders
Nora Chase	Grappling Hook	Lantern	Left Handed	Leather Cap	Spiders
Finn Archer	Machete	Rope Coil	Left Handed	Leather Cap	Snakes
Lara Stone	Glider Wings	Canteen	Left Handed	Leather Cap	Spiders
Gabi Gomez	Torch Flare	Compass	Left Handed	Leather Cap	Bats
Ash Ketchum	Smoke Bomb	Rope Coil	Left Handed	Bandana	Bats
Sora Key	Glider Wings	Compass	Right Handed	Leather Cap	Spiders
Luke Skywalker	Grappling Hook	Canteen	Left Handed	Pith Helmet	Bats
Han Solo	Machete	Binoculars	Left Handed	Bandana	Spiders
Danny Phantom	Grappling Hook	Canteen	Right Handed	Bandana	Spiders
Ella Frost	Smoke Bomb	Compass	Right Handed	Bandana	Spiders
Jack Hunter	Machete	Lantern	Left Handed	Leather Cap	Spiders
Zoe Rivers	Glider Wings	Rope Coil	Right Handed	Bandana	Snakes
Rex Ford	Grappling Hook	Canteen	Right Handed	Leather Cap	Bats
Maya Cruz	Smoke Bomb	Rope Coil	Right Handed	Pith Helmet	Snakes
Indiana Drake	Glider Wings	Lantern	Right Handed	Pith Helmet	Snakes
Cleo Sands	Torch Flare	Rope Coil	Left Handed	Leather Cap	Spiders

CLUE 1

Rounding

The camp radar shows estimated trail distances rounded to the nearest hundred.

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

T			T											T
3700	2900	50	3700	2900	7000	50	300	1100	5000	50	30	290	5000	3700
										T				
900	370	230	230	70	370	900	370	290	3700	50	50	290		

Round 3,722 to the nearest hundred

→ T

Round 7,455 to the nearest thousand

→ I

Round 366 to the nearest ten

→ A

Round 1,085 to the nearest hundred

→ D

Round 74 to the nearest ten

→ Y

Round 49 to the nearest ten

→ E

Round 27 to the nearest ten

→ S

Round 889 to the nearest hundred

→ C

Round 227 to the nearest ten

→ R

Round 5,039 to the nearest thousand

→ O

Round 2,927 to the nearest hundred

→ H

Round 288 to the nearest ten

→ N

Round 290 to the nearest hundred

→ F

Scratch space:

CLUE 2 Addition

You combine the footprints counted near the mud pit and the temple steps.

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

T						T					T								
7346	6339	4711	8046	6165	6165	7346	8639	2388	3038	2168	7346	5886	5886	6339	6165	7763	4526		

			T								T		
7433	4711	8046	7346	6339	4526	2168	7367	4711	7367	5886	7346	4711	8639

$2843 + 4503 = \square \rightarrow \text{[T]}$

$2521 + 2005 = \square \rightarrow \text{[A]}$

$1355 + 813 = \square \rightarrow \text{[N]}$

$1810 + 1228 = \square \rightarrow \text{[I]}$

$3158 + 2728 = \square \rightarrow \text{[S]}$

$3010 + 3155 = \square \rightarrow \text{[O]}$

$3320 + 4047 = \square \rightarrow \text{[D]}$

$4011 + 4035 = \square \rightarrow \text{[F]}$

$1146 + 1242 = \square \rightarrow \text{[R]}$

$3120 + 1591 = \square \rightarrow \text{[E]}$

$2076 + 4263 = \square \rightarrow \text{[H]}$

$2714 + 5925 = \square \rightarrow \text{[P]}$

$4479 + 2954 = \square \rightarrow \text{[L]}$

$2495 + 5268 = \square \rightarrow \text{[W]}$

Scratch space:

CLUE 3

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

Diagram illustrating a sequence of numbers and their corresponding positions (represented by boxes). The sequence is divided into two rows.

Top Row (20 boxes):

- Box 1: Shaded orange, contains 'T' (4593)
- Box 2: (6777)
- Box 3: (7039)
- Box 4: (3559)
- Box 5: (7442)
- Box 6: (3559)
- Box 7: (3036)
- Box 8: (7039)
- Box 9: (1869)
- Box 10: Shaded orange, contains 'T' (4593)
- Box 11: (3559)
- Box 12: (6777)
- Box 13: (7563)
- Box 14: (1946)
- Box 15: (7039)
- Box 16: (4899)
- Box 17: (7039)
- Box 18: (5611)
- Box 19: (5954)
- Box 20: Shaded orange, contains 'T' (4593)

Bottom Row (7 boxes):

- Box 1: (3559)
- Box 2: (3036)
- Box 3: (7563)
- Box 4: (5611)
- Box 5: (7039)
- Box 6: (4899)
- Box 7: (3559)

$$8001 - 3408 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$6398 - 4452 = \boxed{} \rightarrow \boxed{\text{V}}$$

$$3963 - 404 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$6884 - 107 = \boxed{} \rightarrow \boxed{\text{H}}$$

$7837 - 798 = \boxed{} \rightarrow \boxed{\text{E}}$

$$10092 - 2650 = \boxed{} \rightarrow \boxed{\text{U}}$$

11952 - 4389 = →

$$8831 - 3220 = \boxed{} \rightarrow \boxed{\text{D}}$$

$$5444 - 3575 = \boxed{} \rightarrow \boxed{\text{C}}$$

$$5986 - 1087 = \boxed{} \rightarrow \boxed{\text{R}}$$

$$3281 - 245 = \boxed{} \rightarrow \boxed{\text{P}}$$

$$9514 - 3560 = \boxed{} \rightarrow \boxed{\text{A}}$$

Scratch space:

CLUE 4
Multiplication facts (1-12)

The wooden supply crates are stacked in neat even rows.

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

A								A			A							A	
3	1	63	81	11	81	14	70	3	54	81	3	27	55	81	50	11	3	1	

	A						
99	3	110	70	14	9	28	35

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

$11 \times 1 = \square \rightarrow \boxed{\text{C}}$

$7 \times 9 = \square \rightarrow \boxed{\text{I}}$

$1 \times 1 = \square \rightarrow \boxed{\text{P}}$

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

$10 \times 5 = \square \rightarrow \boxed{\text{R}}$

$7 \times 5 = \square \rightarrow \boxed{\text{D}}$

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

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

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

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

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

$10 \times 11 = \square \rightarrow \boxed{\text{S}}$

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

$9 \times 11 = \square \rightarrow \boxed{\text{W}}$

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

Scratch space:

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

The scouts split the recovered artifact pieces equally among the team.

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:

$64 \div 8 = \boxed{}$

$49 \div 7 = \boxed{}$

$27 \div 3 = \boxed{}$

$16 \div 8 = \boxed{}$

$80 \div 8 = \boxed{}$

$10 \div 10 = \boxed{}$

$9 \div 3 = \boxed{}$

$18 \div 3 = \boxed{}$

$32 \div 8 = \boxed{}$

$77 \div 7 = \boxed{}$

$60 \div 5 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain cleared a path through dense vines, then unwound a long climbing rope.
2. The villain threw a cloud of blinding dust, then raised a glowing oil lantern.
3. The villain swung past the temple gates, then unwound a long climbing rope.
4. The villain lit up the dark stone hallway, then took a swig of cold fresh water.
5. The villain lit up the dark stone hallway, then unwound a long climbing rope.
6. The villain soared down from the high canopy, then took a swig of cold fresh water.
7. The villain swung past the temple gates, then raised a glowing oil lantern.
8. The villain cleared a path through dense vines, then raised a glowing oil lantern.
9. The villain lit up the dark stone hallway, then scouted the path with binoculars.
10. The villain lit up the dark stone hallway, then raised a glowing oil lantern.
11. The villain lit up the dark stone hallway, then checked a rusty brass compass.
12. The villain swung past the temple gates, then scouted the path with binoculars.

Answer Key

The Mystery of the Temple Idol

Culprit: Cleo Sands

Torch Flare · Rope Coil · Left Handed · Leather Cap · Spiders

Trail: Start 21 → Clue 1 17 → Clue 2 10 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE THIEF DOES NOT CARRY A CANTEEN"

Round 3,722 to the nearest hundred = 3700 (T) · Round 7,455 to the nearest thousand = 7000 (I) · Round 366 to the nearest ten = 370 (A) · Round 1,085 to the nearest hundred = 1100 (D) · Round 74 to the nearest ten = 70 (Y) · Round 49 to the nearest ten = 50 (E) · Round 27 to the nearest ten = 30 (S) · Round 889 to the nearest hundred = 900 (C) · Round 227 to the nearest ten = 230 (R) · Round 5,039 to the nearest thousand = 5000 (O) · Round 2,927 to the nearest hundred = 2900 (H) · Round 288 to the nearest ten = 290 (N) · Round 290 to the nearest hundred = 300 (F)

Clue 2 (Addition): "THE FOOTPRINTS SHOW A LEFT HANDED STEP"

$2843 + 4503 = 7346$ (T) · $2521 + 2005 = 4526$ (A) · $1355 + 813 = 2168$ (N) · $1810 + 1228 = 3038$ (I) · $3158 + 2728 = 5886$ (S) · $3010 + 3155 = 6165$ (O) · $3320 + 4047 = 7367$ (D) · $4011 + 4035 = 8046$ (F) · $1146 + 1242 = 2388$ (R) · $3120 + 1591 = 4711$ (E) · $2076 + 4263 = 6339$ (H) · $2714 + 5925 = 8639$ (P) · $4479 + 2954 = 7433$ (L) · $2495 + 5268 = 7763$ (W)

Clue 3 (Subtraction): "THE SUSPECT SHIVERED AT SPIDERS"

$8001 - 3408 = 4593$ (T) · $6398 - 4452 = 1946$ (V) · $3963 - 404 = 3559$ (S) · $6884 - 107 = 6777$ (H) · $7837 - 798 = 7039$ (E) · $10092 - 2650 = 7442$ (U) · $11952 - 4389 = 7563$ (I) · $8831 - 3220 = 5611$ (D) · $5444 - 3575 = 1869$ (C) · $5986 - 1087 = 4899$ (R) · $3281 - 245 = 3036$ (P) · $9514 - 3560 = 5954$ (A)

Clue 4 (Multiplication facts (1-12)): "A PIECE OF A LEATHER CAP WAS FOUND"

$3 \times 1 = 3$ (A) · $11 \times 1 = 11$ (C) · $7 \times 9 = 63$ (I) · $1 \times 1 = 1$ (P) · $7 \times 10 = 70$ (F) · $10 \times 5 = 50$ (R) · $7 \times 5 = 35$ (D) · $4 \times 7 = 28$ (N) · $7 \times 2 = 14$ (O) · $11 \times 5 = 55$ (H) · $9 \times 3 = 27$ (T) · $9 \times 9 = 81$ (E) · $10 \times 11 = 110$ (S) · $9 \times 1 = 9$ (U) · $9 \times 11 = 99$ (W) · $6 \times 9 = 54$ (L)

Clue 5 (Division facts (1-12)): surviving statement is box 5 → Cleo Sands

$64 \div 8 = 8$ · $49 \div 7 = 7$ · $27 \div 3 = 9$ · $16 \div 8 = 2$ · $80 \div 8 = 10$ · $10 \div 10 = 1$ · $9 \div 3 = 3$ · $18 \div 3 = 6$ · $32 \div 8 = 4$ · $77 \div 7 = 11$ · $60 \div 5 = 12$