Mystery at Gold Monkey Temple

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

Detective: _____ **Date:** _____

Someone snuck into the jungle ruins and stole the Golden Idol! Solve the clues and unmask the culprit.

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

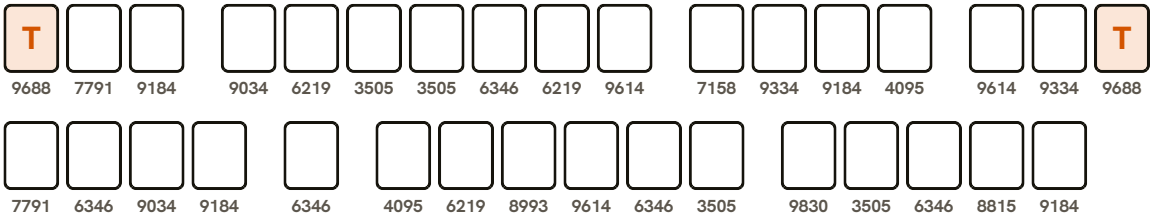
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	MAIN TOOL	EXTRA GEAR	DOMINANT HAND	HAIR STYLE	WEAKNESS
Agent Bruno	SMOKE BOMBS	ROPE LADDER	RIGHT HANDED	SPIKY BROWN HAIR	LOUD WHISTLE
Captain Leo	GRAPPLING HOOK	COMPASS BRACELET	LEFT HANDED	SHORT RED HAIR	LOUD WHISTLE
Archeologist Ruby	GLIDER WINGS	ROPE LADDER	RIGHT HANDED	SPIKY BROWN HAIR	CITRUS SPRAY
Scout Nora	SMOKE BOMBS	COMPASS BRACELET	RIGHT HANDED	SPIKY BROWN HAIR	LOUD WHISTLE
Pilot Felix	TURBO BOOTS	COMPASS BRACELET	RIGHT HANDED	LONG BLACK HAIR	FLASH LIGHT
Surveyor Finn	GRAPPLING HOOK	ROPE LADDER	LEFT HANDED	SHORT RED HAIR	LOUD WHISTLE
Cartographer Eli	MAGNIFYING LENS	NIGHT VISION GOGGLES	LEFT HANDED	SHORT RED HAIR	FLASH LIGHT
Botanist Iris	SMOKE BOMBS	POCKET MAP	LEFT HANDED	SHORT RED HAIR	LOUD WHISTLE
Explorer Jax	MAGNIFYING LENS	ROPE LADDER	LEFT HANDED	SHORT RED HAIR	LOUD WHISTLE
Adventurer Otis	MAGNIFYING LENS	SIGNAL FLARE	LEFT HANDED	LONG BLACK HAIR	FLASH LIGHT
Geologist Jade	GRAPPLING HOOK	COMPASS BRACELET	LEFT HANDED	SHORT RED HAIR	CITRUS SPRAY
Scholar Jonah	MAGNIFYING LENS	SIGNAL FLARE	RIGHT HANDED	SPIKY BROWN HAIR	LOUD WHISTLE
Ranger Sam	TURBO BOOTS	ROPE LADDER	LEFT HANDED	LONG BLACK HAIR	FLASH LIGHT
Pioneer Vera	SMOKE BOMBS	COMPASS BRACELET	LEFT HANDED	LONG BLACK HAIR	LOUD WHISTLE
Detective Rosa	GRAPPLING HOOK	ROPE LADDER	LEFT HANDED	SHORT RED HAIR	CITRUS SPRAY
Diver Cleo	MAGNIFYING LENS	NIGHT VISION GOGGLES	LEFT HANDED	SHORT RED HAIR	CITRUS SPRAY
Professor Hugo	SMOKE BOMBS	SIGNAL FLARE	RIGHT HANDED	LONG BLACK HAIR	FLASH LIGHT
Caver Axel	SMOKE BOMBS	POCKET MAP	LEFT HANDED	LONG BLACK HAIR	FLASH LIGHT
Scribe Clara	GLIDER WINGS	ROPE LADDER	LEFT HANDED	LONG BLACK HAIR	FLASH LIGHT
Trekker Nina	GLIDER WINGS	ROPE LADDER	LEFT HANDED	SHORT RED HAIR	FLASH LIGHT
Navigator Ivy	MAGNIFYING LENS	NIGHT VISION GOGGLES	LEFT HANDED	LONG BLACK HAIR	FLASH LIGHT

CLUE 1 Addition

We counted the total footsteps left near the temple entrance to find our first code digit.

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



5995 + 3693 = ☐ → T	4815 + 4369 = ☐ → E	4348 + 4645 = ☐ → G
4148 + 5466 = ☐ → N	3917 + 2302 = ☐ → I	2668 + 3678 = ☐ → A
3239 + 4552 = ☐ → H	4372 + 2786 = ☐ → D	2440 + 1065 = ☐ → L
4859 + 3956 = ☐ → R	3108 + 6722 = ☐ → F	3958 + 5076 = ☐ → V
6065 + 3269 = ☐ → O	1891 + 2204 = ☐ → S	

Scratch space:

CLUE 2 Subtraction

We subtracted the missing supplies from our pack list to see what the thief took.

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



9273 - 2556 = ☐ → W

9202 - 4265 = ☐ → E

7575 - 3149 = ☐ → H

3843 - 2386 = ☐ → D

7931 - 1893 = ☐ → R

7044 - 1358 = ☐ → P

11727 - 4081 = ☐ → F

9808 - 4098 = ☐ → N

9594 - 1104 = ☐ → T

11550 - 4298 = ☐ → S

6655 - 4468 = ☐ → O

7241 - 3488 = ☐ → L

8932 - 291 = ☐ → I

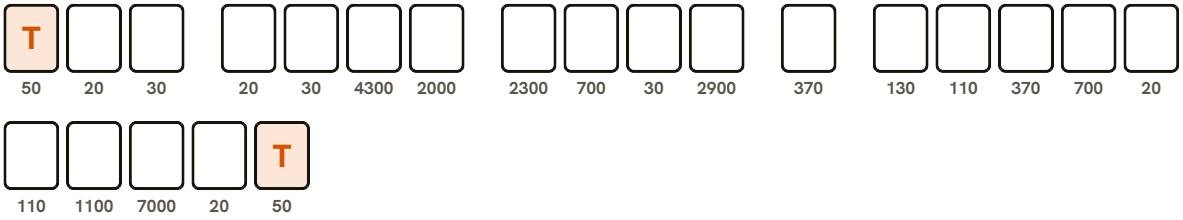
3098 - 197 = ☐ → A

Scratch space:

CLUE 3 Rounding

> The temple scanner only displays rounded energy levels on its digital screen.

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



Round 49 to the nearest ten ☐ → **T**

Round 2,338 to the nearest thousand ☐ → **O**

Round 30 to the nearest ten ☐ → **E**

Round 718 to the nearest hundred ☐ → **S**

Round 4,280 to the nearest hundred ☐ → **R**

Round 2,346 to the nearest hundred ☐ → **U**

Round 107 to the nearest ten ☐ → **L**

Round 7,419 to the nearest thousand ☐ → **G**

Round 1,087 to the nearest hundred ☐ → **I**

Round 24 to the nearest ten ☐ → **H**

Round 134 to the nearest ten ☐ → **F**

Round 372 to the nearest ten ☐ → **A**

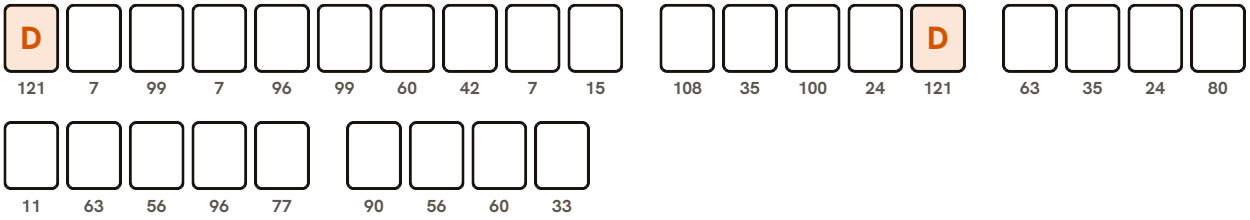
Round 2,880 to the nearest hundred ☐ → **D**

Scratch space:

CLUE 4 Multiplication facts (1-12)

> We checked four equal rows of stone tiles to calculate the hidden path.

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



11 × 11 = ☐ → D	11 × 1 = ☐ → B	9 × 10 = ☐ → H
8 × 10 = ☐ → G	7 × 6 = ☐ → V	7 × 8 = ☐ → A
12 × 8 = ☐ → C	11 × 3 = ☐ → R	9 × 11 = ☐ → T
7 × 9 = ☐ → L	1 × 7 = ☐ → E	9 × 12 = ☐ → F
7 × 11 = ☐ → K	7 × 5 = ☐ → O	3 × 5 = ☐ → S
2 × 12 = ☐ → N	5 × 12 = ☐ → I	10 × 10 = ☐ → U

Scratch space:

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

> We divided the ancient gold coins equally into bags for safe keeping.

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:

99 ÷ 11 = ☐ | 49 ÷ 7 = ☐ | 40 ÷ 8 = ☐ | 4 ÷ 4 = ☐ | 36 ÷ 9 = ☐

22 ÷ 2 = ☐ | 72 ÷ 9 = ☐ | 6 ÷ 1 = ☐ | 10 ÷ 5 = ☐ | 120 ÷ 12 = ☐

9 ÷ 3 = ☐

Step 2 - cross out the sentence with each answer:

1. The villain searched around with a magnifying lens, then unrolled a rope ladder.
2. The villain soared in with glider wings, then studied a pocket map.
3. The villain used a grappling hook to enter, then studied a pocket map.
4. The villain dropped smoke bombs nearby, then unrolled a rope ladder.
5. The villain zoomed past with turbo boots, then unrolled a rope ladder.
6. The villain zoomed past with turbo boots, then studied a pocket map.
7. The villain dropped smoke bombs nearby, then studied a pocket map.
8. The villain searched around with a magnifying lens, then checked a compass bracelet.
9. The villain soared in with glider wings, then unrolled a rope ladder.
10. The villain zoomed past with turbo boots, then put on night vision goggles.
11. The villain zoomed past with turbo boots, then fired off a signal flare.
12. The villain searched around with a magnifying lens, then put on night vision goggles.

TEACHER / PARENT

Answer Key

Mystery at Gold Monkey Temple

Culprit: Navigator Ivy

MAGNIFYING LENS · NIGHT VISION GOGGLES · LEFT HANDED · LONG BLACK HAIR · FLASH LIGHT

Trail: Start 21 → Clue 1 18 → Clue 2 14 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE VILLAIN DOES NOT HAVE A SIGNAL FLARE"

5995 + 3693 = 9688 (T) · 4815 + 4369 = 9184 (E) · 4348 + 4645 = 8993 (G) · 4148 + 5466 = 9614 (N) · 3917 + 2302 = 6219 (I) · 2668 + 3678 = 6346 (A) · 3239 + 4552 = 7791 (H) · 4372 + 2786 = 7158 (D) · 2440 + 1065 = 3505 (L) · 4859 + 3956 = 8815 (R) · 3108 + 6722 = 9830 (F) · 3958 + 5076 = 9034 (V) · 6065 + 3269 = 9334 (O) · 1891 + 2204 = 4095 (S)

Clue 2 (Subtraction): "WITNESS SAW A LEFT HANDED FOOTPRINT"

9273 - 2556 = 6717 (W) · 9202 - 4265 = 4937 (E) · 7575 - 3149 = 4426 (H) · 3843 - 2386 = 1457 (D) · 7931 - 1893 = 6038 (R) · 7044 - 1358 = 5686 (P) · 11727 - 4081 = 7646 (F) · 9808 - 4098 = 5710 (N) · 9594 - 1104 = 8490 (T) · 11550 - 4298 = 7252 (S) · 6655 - 4468 = 2187 (O) · 7241 - 3488 = 3753 (L) · 8932 - 291 = 8641 (I) · 3098 - 197 = 2901 (A)

Clue 3 (Rounding): "THE HERO USED A FLASH LIGHT"

Round 49 to the nearest ten = 50 (T) · Round 2,338 to the nearest thousand = 2000 (O) · Round 30 to the nearest ten = 30 (E) · Round 718 to the nearest hundred = 700 (S) · Round 4,280 to the nearest hundred = 4300 (R) · Round 2,346 to the nearest hundred = 2300 (U) · Round 107 to the nearest ten = 110 (L) · Round 7,419 to the nearest thousand = 7000 (G) · Round 1,087 to the nearest hundred = 1100 (I) · Round 24 to the nearest ten = 20 (H) · Round 134 to the nearest ten = 130 (F) · Round 372 to the nearest ten = 370 (A) · Round 2,880 to the nearest hundred = 2900 (D)

Clue 4 (Multiplication facts (1-12)): "DETECTIVES FOUND LONG BLACK HAIR"

11 × 11 = 121 (D) · 11 × 1 = 11 (B) · 9 × 10 = 90 (H) · 8 × 10 = 80 (G) · 7 × 6 = 42 (V) · 7 × 8 = 56 (A) · 12 × 8 = 96 (C) · 11 × 3 = 33 (R) · 9 × 11 = 99 (T) · 7 × 9 = 63 (L) · 1 × 7 = 7 (E) · 9 × 12 = 108 (F) · 7 × 11 = 77 (K) · 7 × 5 = 35 (O) · 3 × 5 = 15 (S) · 2 × 12 = 24 (N) · 5 × 12 = 60 (I) · 10 × 10 = 100 (U)

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

99 ÷ 11 = 9 · 49 ÷ 7 = 7 · 40 ÷ 8 = 5 · 4 ÷ 4 = 1 · 36 ÷ 9 = 4 · 22 ÷ 2 = 11 · 72 ÷ 9 = 8 · 6 ÷ 1 = 6 · 10 ÷ 5 = 2 · 120 ÷ 12 = 10 · 9 ÷ 3 = 3