The Emerald Temple Heist

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

Detective: _____ **Date:** _____

A mystery snoop snuck into the jungle camp and snatched the golden sun disk! Now the expedition team must solve the puzzle clues before the trail goes cold.

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.

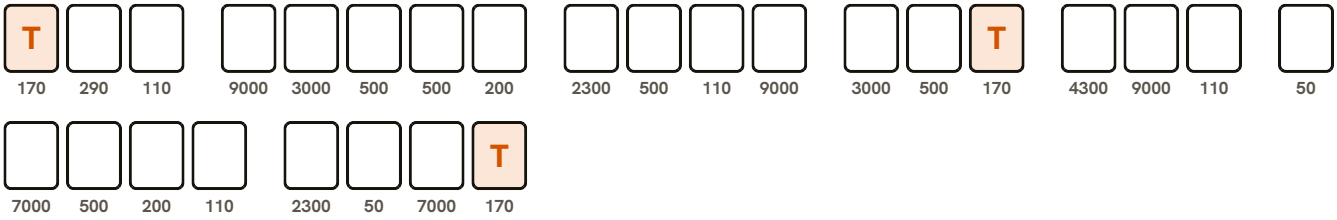
NAME	GEAR	GADGET	DOMINANT HAND	HEADWEAR	DISTRACTION
Indiana Jones	grappling hook	map compass	right handed	brown hat	loud whistle
Penny Proud	smoke bomb	rope dart	left handed	brown hat	water splash
Carmen Sandiego	smoke bomb	decoy flare	right handed	brown hat	loud whistle
Elena Fisher	flash lantern	decoy flare	right handed	red bandana	water splash
Sam River	glider wing	spyglass	right handed	brown hat	loud whistle
Diego Marquez	grappling hook	spyglass	right handed	brown hat	water splash
Victor Sullivan	glider wing	rope dart	left handed	red bandana	water splash
Ron Stoppable	smoke bomb	spyglass	right handed	red bandana	water splash
Waldo Finder	flash lantern	rope dart	right handed	golden helmet	water splash
Maya Rios	grappling hook	rope dart	left handed	red bandana	loud whistle
Sonia Stone	smoke bomb	decoy flare	right handed	red bandana	water splash
Leo Vance	grappling hook	sound decoy	right handed	red bandana	mirror flash
Nathan Drake	climbing claws	rope dart	left handed	brown hat	mirror flash
Fred Jones	flash lantern	spyglass	left handed	brown hat	loud whistle
Amelia Earhart	climbing claws	decoy flare	right handed	red bandana	water splash
Finn Human	climbing claws	map compass	right handed	golden helmet	mirror flash
Velma Dinkley	glider wing	rope dart	right handed	brown hat	loud whistle
Dora Explorer	glider wing	decoy flare	right handed	golden helmet	loud whistle
Marco Polo	grappling hook	decoy flare	right handed	brown hat	loud whistle
Chloe Frazer	smoke bomb	sound decoy	right handed	red bandana	water splash
Jake Dog	climbing claws	map compass	right handed	golden helmet	loud whistle

make your own at mathcrackers.com

CLUE 1 Rounding

The temple motion sensor display only shows rounded distances to the nearest hundred feet.

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



Round 171 to the nearest ten ☐ → **T**

Round 7,175 to the nearest thousand ☐ → **R**

Round 161 to the nearest hundred ☐ → **P**

Round 4,271 to the nearest hundred ☐ → **U**

Round 3,368 to the nearest thousand ☐ → **N**

Round 9,222 to the nearest thousand ☐ → **S**

Round 286 to the nearest ten ☐ → **H**

Round 485 to the nearest hundred ☐ → **O**

Round 113 to the nearest ten ☐ → **E**

Round 47 to the nearest ten ☐ → **A**

Round 2,317 to the nearest hundred ☐ → **D**

Scratch space:

CLUE 2 Addition

The team adds up all the ancient gold coins found in the camp tents.

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



4101 + 2381 = ☐ → T

1434 + 998 = ☐ → H

4650 + 3885 = ☐ → E

4587 + 2211 = ☐ → G

2374 + 3165 = ☐ → D

1952 + 2785 = ☐ → I

3034 + 2888 = ☐ → N

5780 + 3844 = ☐ → A

3766 + 2311 = ☐ → P

1687 + 790 = ☐ → S

1706 + 1583 = ☐ → W

1585 + 1343 = ☐ → O

3469 + 3351 = ☐ → U

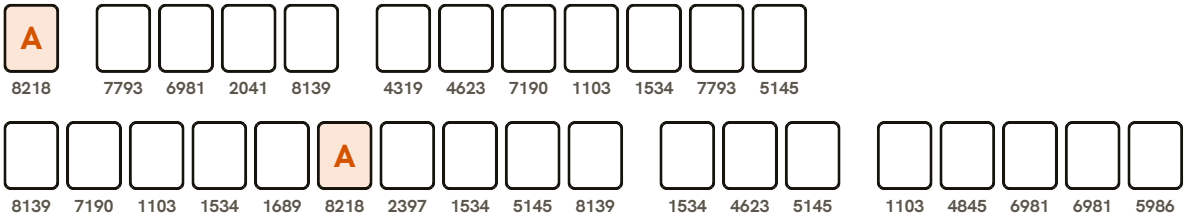
1231 + 2182 = ☐ → R

Scratch space:

CLUE 3 Subtraction

The detective subtracts the heavy rocks from the total bag weight to find the missing loot.

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



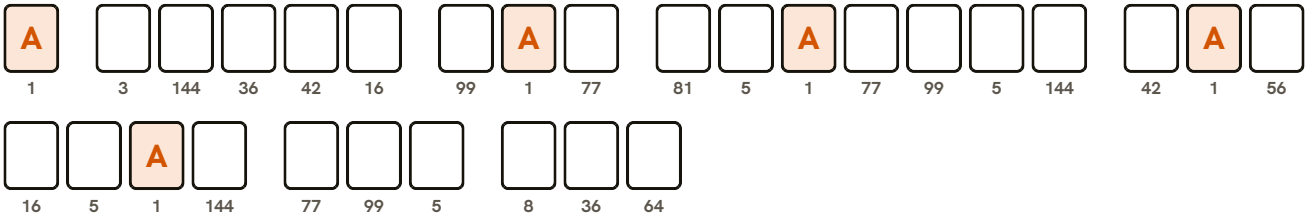
11651 - 3433 = ☐ → A	3228 - 2125 = ☐ → S	4367 - 2326 = ☐ → U
5546 - 3149 = ☐ → C	9486 - 4641 = ☐ → N	5458 - 3769 = ☐ → R
8104 - 2959 = ☐ → E	5913 - 1594 = ☐ → W	3051 - 1517 = ☐ → T
10890 - 2751 = ☐ → D	6617 - 1994 = ☐ → H	9961 - 2771 = ☐ → I
7956 - 1970 = ☐ → P	12455 - 4662 = ☐ → L	9792 - 2811 = ☐ → O

Scratch space:

CLUE 4 Multiplication facts (1-12)

The path has several rows of floor traps with the same number of tiles in each row.

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



$1 \times 1 =$ ☐ → **A**

$3 \times 1 =$ ☐ → **B**

$11 \times 9 =$ ☐ → **H**

$5 \times 1 =$ ☐ → **E**

$12 \times 12 =$ ☐ → **R**

$7 \times 11 =$ ☐ → **T**

$7 \times 8 =$ ☐ → **S**

$8 \times 2 =$ ☐ → **N**

$8 \times 8 =$ ☐ → **G**

$3 \times 12 =$ ☐ → **O**

$9 \times 9 =$ ☐ → **F**

$8 \times 1 =$ ☐ → **L**

$7 \times 6 =$ ☐ → **W**

Scratch space:

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

> The scout splits the total supply water equally into equal water jugs for the trek.

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:

132 ÷ 12 = ☐ | 21 ÷ 7 = ☐ | 144 ÷ 12 = ☐ | 20 ÷ 10 = ☐ | 40 ÷ 8 = ☐

24 ÷ 3 = ☐ | 100 ÷ 10 = ☐ | 4 ÷ 4 = ☐ | 54 ÷ 9 = ☐ | 24 ÷ 6 = ☐

7 ÷ 1 = ☐

Step 2 - cross out the sentence with each answer:

1. The villain flashes a bright lantern, then checks the map compass.
2. The villain flashes a bright lantern, then peers through a spyglass.
3. The villain zips down the vine, then checks the map compass.
4. The villain drops a smoke bomb, then peers through a spyglass.
5. The villain digs with climbing claws, then swings a rope dart.
6. The villain drops a smoke bomb, then checks the map compass.
7. The villain glides across the ravine, then activates a sound decoy.
8. The villain flashes a bright lantern, then swings a rope dart.
9. The villain glides across the ravine, then peers through a spyglass.
10. The villain digs with climbing claws, then launches a decoy flare.
11. The villain zips down the vine, then launches a decoy flare.
12. The villain drops a smoke bomb, then launches a decoy flare.

TEACHER / PARENT

Answer Key

The Emerald Temple Heist

Culprit: Sam River

glider wing · spyglass · right handed · brown hat · loud whistle

Trail: Start 21 → Clue 1 15 → Clue 2 14 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE SNOOP DOES NOT USE A ROPE DART"

Round 171 to the nearest ten = 170 (T) · Round 7,175 to the nearest thousand = 7000 (R) · Round 161 to the nearest hundred = 200 (P) · Round 4,271 to the nearest hundred = 4300 (U) · Round 3,368 to the nearest thousand = 3000 (N) · Round 9,222 to the nearest thousand = 9000 (S) · Round 286 to the nearest ten = 290 (H) · Round 485 to the nearest hundred = 500 (O) · Round 113 to the nearest ten = 110 (E) · Round 47 to the nearest ten = 50 (A) · Round 2,317 to the nearest hundred = 2300 (D)

Clue 2 (Addition): "THE SNOOP SWUNG WITH A RIGHT HAND"

4101 + 2381 = 6482 (T) · 1434 + 998 = 2432 (H) · 4650 + 3885 = 8535 (E) · 4587 + 2211 = 6798 (G) · 2374 + 3165 = 5539 (D) · 1952 + 2785 = 4737 (I) · 3034 + 2888 = 5922 (N) · 5780 + 3844 = 9624 (A) · 3766 + 2311 = 6077 (P) · 1687 + 790 = 2477 (S) · 1706 + 1583 = 3289 (W) · 1585 + 1343 = 2928 (O) · 3469 + 3351 = 6820 (U) · 1231 + 2182 = 3413 (R)

Clue 3 (Subtraction): "A LOUD WHISTLE DISTRACTED THE SNOOP"

11651 - 3433 = 8218 (A) · 3228 - 2125 = 1103 (S) · 4367 - 2326 = 2041 (U) · 5546 - 3149 = 2397 (C) · 9486 - 4641 = 4845 (N) · 5458 - 3769 = 1689 (R) · 8104 - 2959 = 5145 (E) · 5913 - 1594 = 4319 (W) · 3051 - 1517 = 1534 (T) · 10890 - 2751 = 8139 (D) · 6617 - 1994 = 4623 (H) · 9961 - 2771 = 7190 (I) · 7956 - 1970 = 5986 (P) · 12455 - 4662 = 7793 (L) · 9792 - 2811 = 6981 (O)

Clue 4 (Multiplication facts (1-12)): "A BROWN HAT FEATHER WAS NEAR THE LOG"

1 × 1 = 1 (A) · 3 × 1 = 3 (B) · 11 × 9 = 99 (H) · 5 × 1 = 5 (E) · 12 × 12 = 144 (R) · 7 × 11 = 77 (T) · 7 × 8 = 56 (S) · 8 × 2 = 16 (N) · 8 × 8 = 64 (G) · 3 × 12 = 36 (O) · 9 × 9 = 81 (F) · 8 × 1 = 8 (L) · 7 × 6 = 42 (W)

Clue 5 (Division facts (1-12)): surviving statement is box 9 → Sam River

132 ÷ 12 = 11 · 21 ÷ 7 = 3 · 144 ÷ 12 = 12 · 20 ÷ 10 = 2 · 40 ÷ 8 = 5 · 24 ÷ 3 = 8 · 100 ÷ 10 = 10 · 4 ÷ 4 = 1 · 54 ÷ 9 = 6 · 24 ÷ 6 = 4 · 7 ÷ 1 = 7