The Cloud Temple Artifact Mystery

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

Detective: _____ **Date:** _____

Someone snuck into the jungle tent and swapped the golden sun disk with a heavy rock! The intruder left clues and gear behind. Solve the math puzzles to 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 Sneaky Trapper is _____

Possible suspects

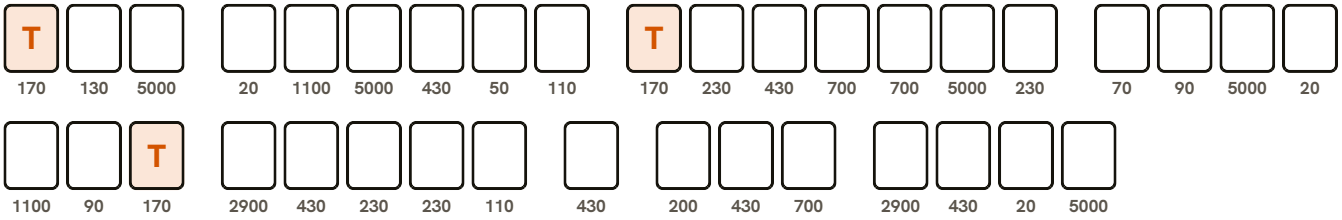
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	SPECIAL TOOL	CAMP GEAR	WATCH ARM	BANDANA COLOR	TRAP OBSTACLE
Guide Leo	Smoke Bomb	Canteen Pack	Right Wrist	Red Bandana	Net Trap
Trekker Sam	Vine Cutter	Walkie Talkie	Right Wrist	Green Bandana	Net Trap
Scout Stan	Vine Cutter	Walkie Talkie	Left Wrist	Green Bandana	Sticky Sap
Navigator Nate	Grappling Hook	Map Case	Left Wrist	Blue Bandana	Net Trap
Doctor Dash	Vine Cutter	Solar Lantern	Left Wrist	Red Bandana	Sticky Sap
Agent Amy	Grappling Hook	Canteen Pack	Right Wrist	Blue Bandana	Honey Jar
Ranger Rick	Glider Wings	Walkie Talkie	Left Wrist	Blue Bandana	Net Trap
Botanist Ben	Grappling Hook	Map Case	Right Wrist	Green Bandana	Sticky Sap
Hiker Holly	Compass Watch	Map Case	Right Wrist	Green Bandana	Honey Jar
Pilot Penny	Smoke Bomb	Map Case	Right Wrist	Blue Bandana	Honey Jar
Tracker Tess	Compass Watch	Canteen Pack	Right Wrist	Blue Bandana	Honey Jar
Hunter Hank	Smoke Bomb	Canteen Pack	Right Wrist	Green Bandana	Sticky Sap
Explorer Ivy	Glider Wings	Canteen Pack	Right Wrist	Green Bandana	Net Trap
Chief Clara	Glider Wings	Canteen Pack	Right Wrist	Green Bandana	Sticky Sap
Rover Rita	Smoke Bomb	Walkie Talkie	Right Wrist	Green Bandana	Sticky Sap
Surveyor Sue	Glider Wings	Walkie Talkie	Right Wrist	Red Bandana	Sticky Sap
Professor Plum	Smoke Bomb	Rope Ladder	Right Wrist	Blue Bandana	Sticky Sap
Scavenger Sid	Smoke Bomb	Map Case	Right Wrist	Red Bandana	Sticky Sap
Tracker Tom	Vine Cutter	Canteen Pack	Right Wrist	Green Bandana	Sticky Sap
Scout Maya	Compass Watch	Solar Lantern	Left Wrist	Green Bandana	Sticky Sap
Captain Drake	Vine Cutter	Walkie Talkie	Left Wrist	Green Bandana	Honey Jar

CLUE 1 Rounding

The blurry camp radar scanner only displays rounded altitude numbers to track movements.

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



Round 167 to the nearest ten ☐ → T

Round 132 to the nearest ten ☐ → H

Round 5,043 to the nearest thousand ☐ → E

Round 2,872 to the nearest hundred ☐ → C

Round 53 to the nearest ten ☐ → K

Round 232 to the nearest ten ☐ → R

Round 66 to the nearest ten ☐ → D

Round 428 to the nearest ten ☐ → A

Round 92 to the nearest ten ☐ → O

Round 108 to the nearest ten ☐ → Y

Round 170 to the nearest hundred ☐ → M

Round 22 to the nearest ten ☐ → S

Round 1,073 to the nearest hundred ☐ → N

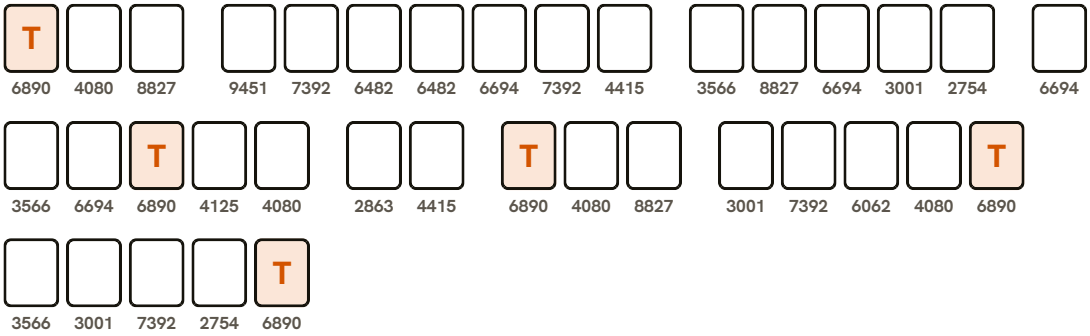
Round 662 to the nearest hundred ☐ → P

Scratch space:

CLUE 2 Addition

To inspect the muddy trail, the team tallied all the dropped expedition supplies.

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



4648 + 2242 = ☐ → T	5077 + 2315 = ☐ → I	3951 + 2111 = ☐ → G
4373 + 2321 = ☐ → A	2189 + 1377 = ☐ → W	1306 + 1448 = ☐ → S
3533 + 2949 = ☐ → L	1385 + 1616 = ☐ → R	5974 + 2853 = ☐ → E
2452 + 1673 = ☐ → C	4047 + 5404 = ☐ → V	1612 + 1251 = ☐ → O
1427 + 2653 = ☐ → H	1482 + 2933 = ☐ → N	

Scratch space:

CLUE 3 Subtraction

> Comparing camp inventory before and after the raid reveals missing items.

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



4748 - 2533 = ☐ → T

9657 - 4467 = ☐ → E

9722 - 3222 = ☐ → P

11248 - 4047 = ☐ → K

5387 - 2872 = ☐ → I

1637 - 175 = ☐ → O

9880 - 4812 = ☐ → H

3812 - 2792 = ☐ → V

11577 - 3140 = ☐ → S

12314 - 4720 = ☐ → G

2533 - 1211 = ☐ → Y

7167 - 3092 = ☐ → C

7762 - 1108 = ☐ → L

9960 - 3325 = ☐ → A

5394 - 94 = ☐ → U

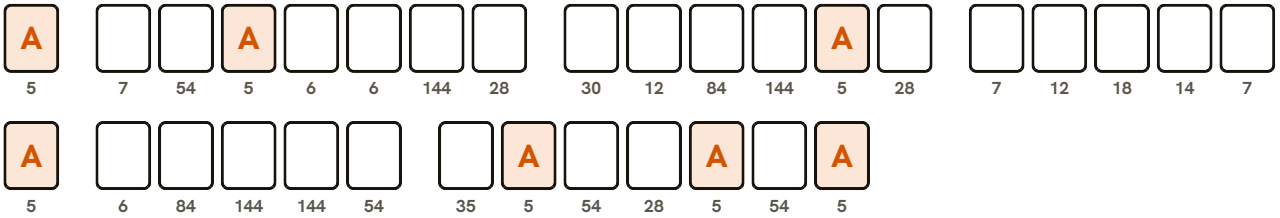
11240 - 4941 = ☐ → N

Scratch space:

CLUE 4 Multiplication facts (1-12)

> The team organized the recovered clue crates into equal rows for counting.

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


A A A

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

> The remaining trail snacks were divided equally among the search squads.

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:

36 ÷ 6 = ☐ | 16 ÷ 4 = ☐ | 49 ÷ 7 = ☐ | 84 ÷ 7 = ☐ | 40 ÷ 8 = ☐

1 ÷ 1 = ☐ | 30 ÷ 3 = ☐ | 24 ÷ 12 = ☐ | 80 ÷ 10 = ☐ | 110 ÷ 10 = ☐

27 ÷ 3 = ☐

Step 2 - cross out the sentence with each answer:

1. The villain checked the jungle direction with a compass watch, then lit up the trail using a solar lantern.
2. The villain soared over the canopy with glider wings, then climbed the cliff using a rope ladder.
3. The villain cleared the thick vines with a vine cutter, then packed water in a canteen pack.
4. The villain soared over the canopy with glider wings, then packed water in a canteen pack.
5. The villain checked the jungle direction with a compass watch, then packed water in a canteen pack.
6. The villain vanished behind a thick smoke bomb, then called for backup on a walkie talkie.
7. The villain vanished behind a thick smoke bomb, then packed water in a canteen pack.
8. The villain checked the jungle direction with a compass watch, then called for backup on a walkie talkie.
9. The villain swung across the ravine with a grappling hook, then packed water in a canteen pack.
10. The villain swung across the ravine with a grappling hook, then called for backup on a walkie talkie.
11. The villain vanished behind a thick smoke bomb, then marked the path using a map case.
12. The villain soared over the canopy with glider wings, then called for backup on a walkie talkie.

TEACHER / PARENT

Answer Key

The Cloud Temple Artifact Mystery

Culprit: Tracker Tom

Vine Cutter · Canteen Pack · Right Wrist · Green Bandana · Sticky Sap

Trail: Start 21 → Clue 1 16 → Clue 2 11 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE SNEAKY TRAPPER DOES NOT CARRY A MAP CASE"

Round 167 to the nearest ten = 170 (T) · Round 132 to the nearest ten = 130 (H) · Round 5,043 to the nearest thousand = 5000 (E) · Round 2,872 to the nearest hundred = 2900 (C) · Round 53 to the nearest ten = 50 (K) · Round 232 to the nearest ten = 230 (R) · Round 66 to the nearest ten = 70 (D) · Round 428 to the nearest ten = 430 (A) · Round 92 to the nearest ten = 90 (O) · Round 108 to the nearest ten = 110 (Y) · Round 170 to the nearest hundred = 200 (M) · Round 22 to the nearest ten = 20 (S) · Round 1,073 to the nearest hundred = 1100 (N) · Round 662 to the nearest hundred = 700 (P)

Clue 2 (Addition): "THE VILLAIN WEARS A WATCH ON THE RIGHT WRIST"

4648 + 2242 = 6890 (T) · 5077 + 2315 = 7392 (I) · 3951 + 2111 = 6062 (G) · 4373 + 2321 = 6694 (A) · 2189 + 1377 = 3566 (W) · 1306 + 1448 = 2754 (S) · 3533 + 2949 = 6482 (L) · 1385 + 1616 = 3001 (R) · 5974 + 2853 = 8827 (E) · 2452 + 1673 = 4125 (C) · 4047 + 5404 = 9451 (V) · 1612 + 1251 = 2863 (O) · 1427 + 2653 = 4080 (H) · 1482 + 2933 = 4415 (N)

Clue 3 (Subtraction): "THE VILLAIN GOT STUCK IN STICKY SAP"

4748 - 2533 = 2215 (T) · 9657 - 4467 = 5190 (E) · 9722 - 3222 = 6500 (P) · 11248 - 4047 = 7201 (K) · 5387 - 2872 = 2515 (I) · 1637 - 175 = 1462 (O) · 9880 - 4812 = 5068 (H) · 3812 - 2792 = 1020 (V) · 11577 - 3140 = 8437 (S) · 12314 - 4720 = 7594 (G) · 2533 - 1211 = 1322 (Y) · 7167 - 3092 = 4075 (C) · 7762 - 1108 = 6654 (L) · 9960 - 3325 = 6635 (A) · 5394 - 94 = 5300 (U) · 11240 - 4941 = 6299 (N)

Clue 4 (Multiplication facts (1-12)): "A SNAGGED THREAD SHOWS A GREEN BANDANA"

5 × 1 = 5 (A) · 3 × 6 = 18 (O) · 1 × 7 = 7 (S) · 6 × 2 = 12 (H) · 7 × 12 = 84 (R) · 7 × 4 = 28 (D) · 3 × 10 = 30 (T) · 12 × 12 = 144 (E) · 5 × 7 = 35 (B) · 2 × 7 = 14 (W) · 1 × 6 = 6 (G) · 9 × 6 = 54 (N)

Clue 5 (Division facts (1-12)): surviving statement is box 3 → Tracker Tom

36 ÷ 6 = 6 · 16 ÷ 4 = 4 · 49 ÷ 7 = 7 · 84 ÷ 7 = 12 · 40 ÷ 8 = 5 · 1 ÷ 1 = 1 · 30 ÷ 3 = 10 · 24 ÷ 12 = 2 · 80 ÷ 10 = 8 · 110 ÷ 10 = 11 · 27 ÷ 3 = 9