



# The Temple of the Coco Tribe

Grade 5 math · Rounding, Fractions of a number, Order of operations, Multiplication, Division · Reading level grades 5-6

Detective: \_\_\_\_\_ Date: \_\_\_\_\_

The legendary Golden Idol has been stolen right off its stone pedestal! The Lead Archaeologist needs your puzzle-solving skills to track down the thief before they escape on the midnight supply boat.

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 Golden Idol Thief is** \_\_\_\_\_

# Possible suspects

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

| NAME            | SIGNATURE GEAR   | BACKUP TOOL    | DOMINANT HAND       | HAIR COLOR      | PHOBIA          |
|-----------------|------------------|----------------|---------------------|-----------------|-----------------|
| Indy Jones      | Decoder Ring     | Multi-Tool     | left-handed writer  | Dusty Brown     | Fear of Bats    |
| Ben Gates       | Laser Flashlight | Fossil Brush   | right-handed writer | Jungle Red      | Fear of Spiders |
| Skyler Summit   | Laser Flashlight | Parachute Pack | right-handed writer | Dusty Brown     | Fear of Spiders |
| Mindy Mapes     | Decoder Ring     | Multi-Tool     | right-handed writer | Jungle Red      | Fear of Spiders |
| Marco Polo      | Decoder Ring     | Parachute Pack | right-handed writer | Explorer Blonde | Fear of Spiders |
| Rick Oconnell   | Sonic Compass    | Map Scanner    | right-handed writer | Explorer Blonde | Fear of Snakes  |
| Zoe Carter      | Decoder Ring     | Multi-Tool     | left-handed writer  | Explorer Blonde | Fear of Spiders |
| Nathan Drake    | Grappling Hook   | Fossil Brush   | left-handed writer  | Jungle Red      | Fear of Bats    |
| Amelia Earhart  | Laser Flashlight | Multi-Tool     | right-handed writer | Jungle Red      | Fear of Snakes  |
| Alan Grant      | Laser Flashlight | Parachute Pack | left-handed writer  | Dusty Brown     | Fear of Bats    |
| Finn Flint      | Sonic Compass    | Multi-Tool     | right-handed writer | Jungle Red      | Fear of Snakes  |
| Jack Hunter     | Grappling Hook   | Parachute Pack | left-handed writer  | Jungle Red      | Fear of Snakes  |
| Chase Canyon    | Decoder Ring     | Map Scanner    | right-handed writer | Explorer Blonde | Fear of Snakes  |
| Buck Wild       | Grappling Hook   | Parachute Pack | right-handed writer | Jungle Red      | Fear of Spiders |
| Sacagawea       | Decoder Ring     | Parachute Pack | right-handed writer | Jungle Red      | Fear of Bats    |
| Evelyn Carnahan | Decoder Ring     | Pocket Drone   | left-handed writer  | Explorer Blonde | Fear of Snakes  |
| Lara Croft      | Climbing Boots   | Map Scanner    | left-handed writer  | Dusty Brown     | Fear of Spiders |
| Clara Oswald    | Decoder Ring     | Fossil Brush   | right-handed writer | Jungle Red      | Fear of Spiders |
| Ellie Sattler   | Grappling Hook   | Parachute Pack | left-handed writer  | Jungle Red      | Fear of Spiders |
| Sam Shore       | Sonic Compass    | Pocket Drone   | right-handed writer | Jungle Red      | Fear of Spiders |
| Rusty Stone     | Grappling Hook   | Multi-Tool     | right-handed writer | Jungle Red      | Fear of Bats    |

## CLUE 1 Rounding

To map out the thief's escape path, we boot up the temple's old radar screen. The dusty monitor can only show distances rounded to the nearest ten.

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

|      |      |      |     |     |     |     |      |      |      |      |     |      |      |      |      |     |     |  |  |
|------|------|------|-----|-----|-----|-----|------|------|------|------|-----|------|------|------|------|-----|-----|--|--|
| T    |      |      |     |     |     |     |      |      |      | T    |     |      |      |      |      |     |     |  |  |
| 1300 | 900  | 370  | 230 | 90  | 370 | 130 | 2300 | 7000 | 1300 | 900  | 300 | 370  | 1100 | 2900 | 1700 | 370 | 230 |  |  |
|      |      | T    |     |     |     |     |      |      |      |      |     |      | T    |      |      |     |     |  |  |
| 90   | 1700 | 1300 | 110 | 230 | 370 | 130 | 30   | 1700 | 430  | 2300 | 370 | 1300 | 2900 | 50   | 1700 | 90  | 370 |  |  |

Round 1,344 to the nearest hundred  → **T**

Round 29 to the nearest ten  → **P**

Round 134 to the nearest ten  → **A**

Round 48 to the nearest ten  → **R**

Round 1,116 to the nearest hundred  → **F**

Round 374 to the nearest ten  → **E**

Round 2,857 to the nearest hundred  → **D**

Round 938 to the nearest hundred  → **H**

Round 110 to the nearest ten  → **U**

Round 2,341 to the nearest hundred  → **K**

Round 327 to the nearest hundred  → **I**

Round 234 to the nearest ten  → **S**

Round 91 to the nearest ten  → **N**

Round 434 to the nearest ten  → **C**

Round 1,729 to the nearest hundred  → **O**

Round 7,252 to the nearest thousand  → **Y**

Scratch space:

### CLUE 2 Fractions of a number

We find a torn canvas pack on the jungle trail with spilled supplies. Let's calculate the fraction of gear left behind to see how heavy their load was.

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

Two rows of ten boxes each, representing a 2x10 grid. The top row has the letter 'T' in the first box, and the bottom row has the letter 'T' in the fifth box. All other boxes are empty.

2/4 of 22 =  → **T**

$\frac{1}{3}$  of 69 =   $\rightarrow$  **N**

2/10 of 20 =   $\rightarrow$

$3/5$  of 30 =   $\rightarrow$  **U**

$2/4$  of  $56 = \square \rightarrow \boxed{\text{F}}$

2/10 of 50 =  →

$$\frac{1}{5} \text{ of } 185 = \boxed{\phantom{000}} \rightarrow \boxed{\text{D}}$$

8/10 of 30 =  → **W**

6/10 of 50 =  → **S**

$6/10$  of  $60 = \boxed{\phantom{000}} \rightarrow \boxed{\text{A}}$

$$\frac{1}{5} \text{ of } 75 = \boxed{\phantom{00}} \rightarrow \boxed{\text{R}}$$

$3/10$  of 130 =   $\rightarrow$  **C**

$1/2$  of 6 =   $\rightarrow$  **E**

$$\frac{1}{3} \text{ of } 105 = \boxed{\phantom{00}} \rightarrow \boxed{\text{L}}$$

$\frac{1}{8}$  of 200 =   $\rightarrow$  **H**

4/8 of 76 =  → **P**

4/8 of 62 =  → **M**

2/8 of 128 =  → **G**

Scratch space:

**CLUE 3**
**Order of operations**

To unlock the sealed stone vault door, we must press the tiles in the exact mathematical order of operations carved on the wall.

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

|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|
| T  |    |    | T  |    |    |    |    | T  |    |    |    |    |    |    |    |  |  |  |
| 38 | 7  | 15 | 38 | 74 | 32 | 49 | 15 | 38 | 32 | 74 | 46 | 74 | 17 | 74 | 60 |  |  |  |
|    |    |    |    |    |    | T  |    |    |    |    |    |    |    |    |    |  |  |  |
| 63 | 32 | 65 | 23 | 74 | 38 | 29 | 46 | 60 | 70 | 19 | 29 | 78 | 15 | 32 |    |  |  |  |

$5 \times 10 - 12 = \square \rightarrow \text{T}$

$4 \times 12 - 2 = \square \rightarrow \text{N}$

$5 \times 9 - 22 = \square \rightarrow \text{M}$

$11 \times 2 - 3 = \square \rightarrow \text{P}$

$11 \times 2 - 5 = \square \rightarrow \text{W}$

$10 \times 3 - 1 = \square \rightarrow \text{I}$

$9 \times 6 - 22 = \square \rightarrow \text{R}$

$12 \times 8 - 26 = \square \rightarrow \text{S}$

$43 + 3 \times 2 = \square \rightarrow \text{G}$

$6 + 8 \times 9 = \square \rightarrow \text{D}$

$9 \times 11 - 25 = \square \rightarrow \text{A}$

$4 \times 2 - 1 = \square \rightarrow \text{H}$

$6 \times 11 - 1 = \square \rightarrow \text{O}$

$47 + 8 \times 2 = \square \rightarrow \text{F}$

$32 + 4 \times 7 = \square \rightarrow \text{Y}$

$5 \times 7 - 20 = \square \rightarrow \text{E}$

Scratch space:

## CLUE 4

## Multiplication facts (1-12)

Our team discovers rows of identical ancient carvings along the hallway. By multiplying the rows and columns, we can safely bypass the floor traps.

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

|    |    |    |    |    |   |    |   |    |    |     |    |    |    |    |    |   |    |
|----|----|----|----|----|---|----|---|----|----|-----|----|----|----|----|----|---|----|
| J  |    |    |    |    |   |    |   |    |    |     |    |    |    |    |    |   |    |
| 27 | 81 | 64 | 55 | 20 | 6 | 90 | 6 | 36 | 33 | 80  | 35 | 90 | 14 | 80 | 18 | 5 | 64 |
|    |    |    |    |    |   |    |   |    |    |     |    |    |    |    |    |   |    |
| 49 | 33 | 6  | 18 | 49 | 5 | 64 | 6 | 49 | 80 | 121 | 20 | 6  | 49 |    |    |   |    |

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

$5 \times 1 = \square \rightarrow \text{O}$

$9 \times 10 = \square \rightarrow \text{R}$

$8 \times 8 = \square \rightarrow \text{N}$

$7 \times 7 = \square \rightarrow \text{T}$

$9 \times 4 = \square \rightarrow \text{D}$

$5 \times 11 = \square \rightarrow \text{G}$

$8 \times 10 = \square \rightarrow \text{A}$

$11 \times 11 = \square \rightarrow \text{B}$

$7 \times 2 = \square \rightarrow \text{W}$

$3 \times 11 = \square \rightarrow \text{H}$

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

$10 \times 2 = \square \rightarrow \text{L}$

$2 \times 3 = \square \rightarrow \text{E}$

$9 \times 2 = \square \rightarrow \text{S}$

$5 \times 7 = \square \rightarrow \text{I}$

Scratch space:

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

We need to divide our fresh drinking water canisters equally among the team's hiking packs so nobody gets too tired on the chase.

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:**

$27 \div 3 = \boxed{\phantom{00}}$

$7 \div 7 = \boxed{\phantom{00}}$

$24 \div 3 = \boxed{\phantom{00}}$

$12 \div 6 = \boxed{\phantom{00}}$

$100 \div 10 = \boxed{\phantom{00}}$

$8 \div 2 = \boxed{\phantom{00}}$

$50 \div 10 = \boxed{\phantom{00}}$

$18 \div 3 = \boxed{\phantom{00}}$

$42 \div 6 = \boxed{\phantom{00}}$

$33 \div 3 = \boxed{\phantom{00}}$

$120 \div 10 = \boxed{\phantom{00}}$

**Step 2 - cross out the sentence with each answer:**

1. The villain lit up the dark cavern with a beam, then brushed the heavy dirt off a secret trapdoor.
2. The villain scaled the slippery limestone wall, then launched a tiny flying camera overhead.
3. The villain swung across the deep temple canyon, then deployed the emergency chute down the cliff.
4. The villain scaled the slippery limestone wall, then checked the glowing digital island map.
5. The villain swung across the deep temple canyon, then brushed the heavy dirt off a secret trapdoor.
6. The villain decoded the hidden stone door panels, then checked the glowing digital island map.
7. The villain scaled the slippery limestone wall, then tightened the loose bolts on their harness.
8. The villain decoded the hidden stone door panels, then brushed the heavy dirt off a secret trapdoor.
9. The villain decoded the hidden stone door panels, then tightened the loose bolts on their harness.
10. The villain lit up the dark cavern with a beam, then tightened the loose bolts on their harness.
11. The villain lit up the dark cavern with a beam, then deployed the emergency chute down the cliff.
12. The villain followed the high-frequency sonic signal, then launched a tiny flying camera overhead.

# Answer Key

## The Temple of the Coco Tribe

### Culprit: Buck Wild

Grappling Hook · Parachute Pack · right-handed writer · Jungle Red · Fear of Spiders

Trail: Start 21 → Clue 1 19 → Clue 2 12 → Clue 3 6 → Clue 4 4 → Clue 5 1

#### Clue 1 (Rounding): "THE SNEAKY THIEF DOES NOT USE A POCKET DRONE"

Round 1,344 to the nearest hundred = 1300 (T) · Round 29 to the nearest ten = 30 (P) · Round 134 to the nearest ten = 130 (A) · Round 48 to the nearest ten = 50 (R) · Round 1,116 to the nearest hundred = 1100 (F) · Round 374 to the nearest ten = 370 (E) · Round 2,857 to the nearest hundred = 2900 (D) · Round 938 to the nearest hundred = 900 (H) · Round 110 to the nearest ten = 110 (U) · Round 2,341 to the nearest hundred = 2300 (K) · Round 327 to the nearest hundred = 300 (I) · Round 234 to the nearest ten = 230 (S) · Round 91 to the nearest ten = 90 (N) · Round 434 to the nearest ten = 430 (C) · Round 1,729 to the nearest hundred = 1700 (O) · Round 7,252 to the nearest thousand = 7000 (Y)

#### Clue 2 (Fractions of a number): "THE COWARD USED THEIR RIGHT HAND FOR SAMPLES"

$\frac{2}{4}$  of 22 = 11 (T) ·  $\frac{1}{3}$  of 69 = 23 (N) ·  $\frac{2}{10}$  of 20 = 4 (I) ·  $\frac{3}{5}$  of 30 = 18 (U) ·  $\frac{2}{4}$  of 56 = 28 (F) ·  $\frac{2}{10}$  of 50 = 10 (O) ·  $\frac{1}{5}$  of 185 = 37 (D) ·  $\frac{8}{10}$  of 30 = 24 (W) ·  $\frac{6}{10}$  of 50 = 30 (S) ·  $\frac{6}{10}$  of 60 = 36 (A) ·  $\frac{1}{5}$  of 75 = 15 (R) ·  $\frac{3}{10}$  of 130 = 39 (C) ·  $\frac{1}{2}$  of 6 = 3 (E) ·  $\frac{1}{3}$  of 105 = 35 (L) ·  $\frac{1}{8}$  of 200 = 25 (H) ·  $\frac{4}{8}$  of 76 = 38 (P) ·  $\frac{4}{8}$  of 62 = 31 (M) ·  $\frac{2}{8}$  of 128 = 32 (G)

#### Clue 3 (Order of operations): "THE TARGET RAN AWAY FROM A TINY SPIDER"

$5 \times 10 - 12 = 38$  (T) ·  $4 \times 12 - 2 = 46$  (N) ·  $5 \times 9 - 22 = 23$  (M) ·  $11 \times 2 - 3 = 19$  (P) ·  $11 \times 2 - 5 = 17$  (W) ·  $10 \times 3 - 1 = 29$  (I) ·  $9 \times 6 - 22 = 32$  (R) ·  $12 \times 8 - 26 = 70$  (S) ·  $43 + 3 \times 2 = 49$  (G) ·  $6 + 8 \times 9 = 78$  (D) ·  $9 \times 11 - 25 = 74$  (A) ·  $4 \times 2 - 1 = 7$  (H) ·  $6 \times 11 - 1 = 65$  (O) ·  $47 + 8 \times 2 = 63$  (F) ·  $32 + 4 \times 7 = 60$  (Y) ·  $5 \times 7 - 20 = 15$  (E)

#### Clue 4 (Multiplication facts (1-12)): "JUNGLE RED HAIR WAS ON THE STONE TABLET"

$3 \times 9 = 27$  (J) ·  $5 \times 1 = 5$  (O) ·  $9 \times 10 = 90$  (R) ·  $8 \times 8 = 64$  (N) ·  $7 \times 7 = 49$  (T) ·  $9 \times 4 = 36$  (D) ·  $5 \times 11 = 55$  (G) ·  $8 \times 10 = 80$  (A) ·  $11 \times 11 = 121$  (B) ·  $7 \times 2 = 14$  (W) ·  $3 \times 11 = 33$  (H) ·  $9 \times 9 = 81$  (U) ·  $10 \times 2 = 20$  (L) ·  $2 \times 3 = 6$  (E) ·  $9 \times 2 = 18$  (S) ·  $5 \times 7 = 35$  (I)

#### Clue 5 (Division facts (1-12)): surviving statement is box 3 → Buck Wild

$27 \div 3 = 9$  ·  $7 \div 7 = 1$  ·  $24 \div 3 = 8$  ·  $12 \div 6 = 2$  ·  $100 \div 10 = 10$  ·  $8 \div 2 = 4$  ·  $50 \div 10 = 5$  ·  $18 \div 3 = 6$  ·  $42 \div 6 = 7$  ·  $33 \div 3 = 11$  ·  $120 \div 10 = 12$