



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:

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.

Diagram illustrating the memory layout for a 2D array. The array is represented by two rows of memory slots, each containing a value or a pointer (T).

Row 1 (Top):

- Slot 1: T (orange)
- Slot 2: 11
- Slot 3: 25
- Slot 4: 3
- Slot 5: 39
- Slot 6: 10
- Slot 7: 24
- Slot 8: 36
- Slot 9: 15
- Slot 10: 37
- Slot 11: 18
- Slot 12: 30
- Slot 13: 3
- Slot 14: 37
- Slot 15: T (orange)
- Slot 16: 11
- Slot 17: 25
- Slot 18: 3
- Slot 19: 4
- Slot 20: 15

Row 2 (Bottom):

- Slot 1: 15
- Slot 2: 4
- Slot 3: 32
- Slot 4: 25
- Slot 5: 11
- Slot 6: T (orange)
- Slot 7: 25
- Slot 8: 36
- Slot 9: 23
- Slot 10: 37
- Slot 11: 28
- Slot 12: 10
- Slot 13: 15
- Slot 14: 30
- Slot 15: 36
- Slot 16: 31
- Slot 17: 38
- Slot 18: 35
- Slot 19: 3
- Slot 20: 30

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 = → **F**

2/10 of 50 = →

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

8/10 of 30 = $\rightarrow$ **W**

6/10 of 50 = → **S**

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

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

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

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

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

$\frac{1}{8}$ 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				

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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:

$27 \div 3 = \boxed{}$

$7 \div 7 = \boxed{}$

$24 \div 3 = \boxed{}$

$12 \div 6 = \boxed{}$

$100 \div 10 = \boxed{}$

$8 \div 2 = \boxed{}$

$50 \div 10 = \boxed{}$

$18 \div 3 = \boxed{}$

$42 \div 6 = \boxed{}$

$33 \div 3 = \boxed{}$

$120 \div 10 = \boxed{}$

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

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