



The Temple of the Golden Jaguar

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

Detective: _____ **Date:** _____

A sneaky rogue explorer has slipped past the camp guards and stolen the legendary Golden Jaguar mask! The chief archeologist needs your help. We have a list of suspects, but we must use camp clues and local riddles to track down the thief before they escape on the riverboat.

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	SIGNATURE TOOL	ESCAPE VEHICLE	FLASHLIGHT HOLD	MUD STAIN COLOR	CAMP OBSTACLE
Jack Hunter	decoder ring	kayak	right-handed grip	gray dust	ancient gate
Steve Irwin	decoder ring	dirt bike	right-handed grip	yellow pollen	howler monkey
Indiana Jones	metal detector	dirt bike	left-handed grip	red river clay	howler monkey
Sacagawea	decoder ring	dirt bike	right-handed grip	yellow pollen	ancient gate
Nathan Drake	metal detector	zipline	left-handed grip	gray dust	sticky vine trap
Chloe Frazer	machete	rope swing	left-handed grip	red river clay	howler monkey
Allan Quatermain	machete	bamboo raft	left-handed grip	red river clay	howler monkey
Carmen Sandiego	grappling hook	bamboo raft	right-handed grip	gray dust	ancient gate
Sully Sullivan	grappling hook	rope swing	right-handed grip	gray dust	sticky vine trap
Amelia Earhart	decoder ring	zipline	left-handed grip	yellow pollen	howler monkey
Dirk Pitt	machete	bamboo raft	left-handed grip	red river clay	ancient gate
Danny Ocean	decoder ring	dirt bike	left-handed grip	red river clay	ancient gate
Lara Croft	spyglass	kayak	left-handed grip	yellow pollen	sticky vine trap
Roy Chapman	decoder ring	rope swing	left-handed grip	red river clay	howler monkey
Ibn Battuta	metal detector	bamboo raft	left-handed grip	red river clay	sticky vine trap
Phileas Fogg	spyglass	bamboo raft	left-handed grip	red river clay	howler monkey
Jane Goodall	metal detector	rope swing	right-handed grip	gray dust	ancient gate
Benjamin Gates	spyglass	kayak	left-handed grip	gray dust	ancient gate
Marco Polo	grappling hook	bamboo raft	left-handed grip	red river clay	ancient gate
Evelyn Carnahan	machete	zipline	left-handed grip	red river clay	howler monkey
Nellie Bly	grappling hook	bamboo raft	right-handed grip	red river clay	howler monkey

CLUE 1

Fractions of a number

We found a torn explorer logbook by the river. To find out which escape vehicle the thief avoided, we must calculate what fraction of the pages remain dry.

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

T			T										T				
33	31	5	33	31	11	5	9	32	11	32	38	39	33				
5	19	36	28	29	5	39	38	28	12	39	29	5	19	2	11	38	10

$$5/10 \text{ of } 66 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$5/10 \text{ of } 64 = \boxed{} \rightarrow \boxed{\text{D}}$$

$$1/8 \text{ of } 88 = \boxed{} \rightarrow \boxed{\text{I}}$$

$$5/10 \text{ of } 76 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$1/5 \text{ of } 180 = \boxed{} \rightarrow \boxed{\text{C}}$$

$$1/2 \text{ of } 24 = \boxed{} \rightarrow \boxed{\text{R}}$$

$$3/6 \text{ of } 18 = \boxed{} \rightarrow \boxed{\text{F}}$$

$$3/6 \text{ of } 78 = \boxed{} \rightarrow \boxed{\text{O}}$$

$$1/6 \text{ of } 168 = \boxed{} \rightarrow \boxed{\text{A}}$$

$$1/3 \text{ of } 30 = \boxed{} \rightarrow \boxed{\text{G}}$$

$$2/6 \text{ of } 87 = \boxed{} \rightarrow \boxed{\text{P}}$$

$$3/6 \text{ of } 62 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$2/3 \text{ of } 3 = \boxed{} \rightarrow \boxed{\text{W}}$$

$$1/8 \text{ of } 152 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$2/8 \text{ of } 20 = \boxed{} \rightarrow \boxed{\text{E}}$$

Scratch space:

CLUE 2
Order of operations

A locked stone door blocks our path. We must solve the multi-step equation carved on the archway in the correct order to reveal the flashlight grip left on the handle.

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

T													T							
69	64	50	47	30	19	26	64	30	39	33	64	69	7	19	26	64	50	30	44	
		T						T												
39	66	69	64	50	30	50	47	69	64	19	66	44								

$8 \times 12 - 27 = \square \rightarrow \boxed{\text{T}}$

$41 + 3 \times 3 = \square \rightarrow \boxed{\text{E}}$

$7 \times 6 - 12 = \square \rightarrow \boxed{\text{L}}$

$5 \times 7 - 9 = \square \rightarrow \boxed{\text{S}}$

$12 + 3 \times 9 = \square \rightarrow \boxed{\text{I}}$

$7 \times 9 - 16 = \square \rightarrow \boxed{\text{F}}$

$12 \times 5 - 16 = \square \rightarrow \boxed{\text{D}}$

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

$10 + 9 \times 6 = \square \rightarrow \boxed{\text{H}}$

$7 \times 7 - 16 = \square \rightarrow \boxed{\text{G}}$

$10 \times 9 - 24 = \square \rightarrow \boxed{\text{N}}$

$13 + 2 \times 3 = \square \rightarrow \boxed{\text{A}}$

Scratch space:

CLUE 3
Multiplication facts (1-12)

The team found crates of supply ropes stacked in matching rows. Multiplying the rows reveals the exact number of rope bundles and a clue about what slowed the thief down.

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

H																	
48	33	44	27	35	77	9	33	50	15	35	25	110					
											H		H				
110	70	77	35	14	9	35	7	14	32	32	48	35	32	48	22	35	55

$6 \times 8 = \square \rightarrow \text{H}$

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

$10 \times 7 = \square \rightarrow \text{C}$

$11 \times 4 = \square \rightarrow \text{W}$

$9 \times 1 = \square \rightarrow \text{M}$

$11 \times 10 = \square \rightarrow \text{S}$

$4 \times 8 = \square \rightarrow \text{T}$

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

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

$11 \times 7 = \square \rightarrow \text{R}$

$7 \times 1 = \square \rightarrow \text{D}$

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

$11 \times 2 = \square \rightarrow \text{I}$

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

$5 \times 5 = \square \rightarrow \text{Y}$

$3 \times 5 = \square \rightarrow \text{K}$

$10 \times 5 = \square \rightarrow \text{N}$

Scratch space:

CLUE 4 Rounding

A dusty tracking screen in the research tent shows a blurry map. By rounding the distance numbers to the nearest ten, we can pinpoint the exact colored residue left behind.

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

R			R				R												
3000	2000	500	3000	110	5000	2000	3000	1100	1300	7000	370	130	7000	430	1300	2000	20	2900	
300	3700	2900	30	2000	130	7000	1300	1300											

Round 2,791 to the nearest thousand → **R**

Round 5,147 to the nearest thousand → **V**

Round 427 to the nearest ten → **S**

Round 366 to the nearest ten → **Y**

Round 3,683 to the nearest hundred → **N**

Round 1,137 to the nearest hundred → **C**

Round 2,309 to the nearest thousand → **E**

Round 7,440 to the nearest thousand → **A**

Round 134 to the nearest ten → **W**

Round 309 to the nearest hundred → **O**

Round 114 to the nearest ten → **I**

Round 34 to the nearest ten → **H**

Round 17 to the nearest ten → **F**

Round 515 to the nearest hundred → **D**

Round 2,928 to the nearest hundred → **T**

Round 1,294 to the nearest hundred → **L**

Scratch space:

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

We must divide our water canteens equally among the search teams before heading into the deep jungle to discover which trap finally stopped the runner.

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:

$42 \div 6 = \boxed{}$

$9 \div 9 = \boxed{}$

$12 \div 1 = \boxed{}$

$80 \div 10 = \boxed{}$

$8 \div 2 = \boxed{}$

$36 \div 12 = \boxed{}$

$27 \div 3 = \boxed{}$

$70 \div 7 = \boxed{}$

$16 \div 8 = \boxed{}$

$110 \div 10 = \boxed{}$

$30 \div 6 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain steals the golden jaguar paws, then dashes through the thick ferns.
2. The villain swipes the golden jaguar mask, then paddles away into the mist.
3. The villain sneaks past the temple guard, then paddles away into the mist.
4. The villain steals the golden jaguar paws, then runs along the canopy walkway.
5. The villain grabs the ancient stone map, then paddles away into the mist.
6. The villain swipes the golden jaguar mask, then runs along the canopy walkway.
7. The villain takes the ruby eyes of the idol, then flees down the rushing river.
8. The villain swipes the golden jaguar mask, then dashes through the thick ferns.
9. The villain grabs the ancient stone map, then flees down the rushing river.
10. The villain takes the ruby eyes of the idol, then climbs up the stone pillars.
11. The villain steals the golden jaguar paws, then paddles away into the mist.
12. The villain swipes the golden jaguar mask, then flees down the rushing river.

Answer Key

The Temple of the Golden Jaguar

Culprit: Evelyn Carnahan

machete · zipline · left-handed grip · red river clay · howler monkey

Trail: Start 21 → Clue 1 17 → Clue 2 12 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Fractions of a number): "THE THIEF DID NOT ESCAPE ON A ROPE SWING"

$5/10$ of 66 = 33 (T) · $5/10$ of 64 = 32 (D) · $1/8$ of 88 = 11 (I) · $5/10$ of 76 = 38 (N) · $1/5$ of 180 = 36 (C) · $1/2$ of 24 = 12 (R) · $3/6$ of 18 = 9 (F) · $3/6$ of 78 = 39 (O) · $1/6$ of 168 = 28 (A) · $1/3$ of 30 = 10 (G) · $2/6$ of 87 = 29 (P) · $3/6$ of 62 = 31 (H) · $2/3$ of 3 = 2 (W) · $1/8$ of 152 = 19 (S) · $2/8$ of 20 = 5 (E)

Clue 2 (Order of operations): "THE FLASHLIGHT WAS HELD IN THE LEFT HAND"

$8 \times 12 - 27 = 69$ (T) · $41 + 3 \times 3 = 50$ (E) · $7 \times 6 - 12 = 30$ (L) · $5 \times 7 - 9 = 26$ (S) · $12 + 3 \times 9 = 39$ (I) · $7 \times 9 - 16 = 47$ (F) · $12 \times 5 - 16 = 44$ (D) · $3 + 2 \times 2 = 7$ (W) · $10 + 9 \times 6 = 64$ (H) · $7 \times 7 - 16 = 33$ (G) · $10 \times 9 - 24 = 66$ (N) · $13 + 2 \times 3 = 19$ (A)

Clue 3 (Multiplication facts (1-12)): "HOWLER MONKEYS SCREAMED AT THE THIEF"

$6 \times 8 = 48$ (H) · $2 \times 7 = 14$ (A) · $10 \times 7 = 70$ (C) · $11 \times 4 = 44$ (W) · $9 \times 1 = 9$ (M) · $11 \times 10 = 110$ (S) · $4 \times 8 = 32$ (T) · $7 \times 5 = 35$ (E) · $11 \times 5 = 55$ (F) · $11 \times 7 = 77$ (R) · $7 \times 1 = 7$ (D) · $3 \times 11 = 33$ (O) · $11 \times 2 = 22$ (I) · $9 \times 3 = 27$ (L) · $5 \times 5 = 25$ (Y) · $3 \times 5 = 15$ (K) · $10 \times 5 = 50$ (N)

Clue 4 (Rounding): "RED RIVER CLAY WAS LEFT ON THE WALL"

Round 2,791 to the nearest thousand = 3000 (R) · Round 5,147 to the nearest thousand = 5000 (V) · Round 427 to the nearest ten = 430 (S) · Round 366 to the nearest ten = 370 (Y) · Round 3,683 to the nearest hundred = 3700 (N) · Round 1,137 to the nearest hundred = 1100 (C) · Round 2,309 to the nearest thousand = 2000 (E) · Round 7,440 to the nearest thousand = 7000 (A) · Round 134 to the nearest ten = 130 (W) · Round 309 to the nearest hundred = 300 (O) · Round 114 to the nearest ten = 110 (I) · Round 34 to the nearest ten = 30 (H) · Round 17 to the nearest ten = 20 (F) · Round 515 to the nearest hundred = 500 (D) · Round 2,928 to the nearest hundred = 2900 (T) · Round 1,294 to the nearest hundred = 1300 (L)

Clue 5 (Division facts (1-12)): surviving statement is box 6 → Evelyn Carnahan

$42 \div 6 = 7$ · $9 \div 9 = 1$ · $12 \div 1 = 12$ · $80 \div 10 = 8$ · $8 \div 2 = 4$ · $36 \div 12 = 3$ · $27 \div 3 = 9$ · $70 \div 7 = 10$ · $16 \div 8 = 2$ · $110 \div 10 = 11$ · $30 \div 6 = 5$