



The Lost Jade Jaguar

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

Detective: _____ **Date:** _____

Someone snuck into the camp, opened the temple vault, and took the Golden Jaguar! Chief Archeologist Dr. Sarah Stone needs your team of junior explorers to solve the clues left behind and catch the rogue explorer before they escape the jungle.

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 ITEM	TEMPLE TOOL	FLASHLIGHT GRIP	HAT COLOR	FEAR
Ruby Canyon	Rescue Rope	Decoder Lens	Left-handed grip	Yellow Helmet	Jungle Spiders
Rex Digwell	Laser Compass	Decoder Lens	Left-handed grip	Brown Fedora	Squeaky Bats
Lara Croft	Laser Compass	Map Scanner	Right-handed grip	Brown Fedora	Squeaky Bats
Penny Drake	Climbing Claws	Metal Detector	Left-handed grip	Green Safari Hat	Prickly Vines
Daisy Valley	Laser Compass	Decoder Lens	Left-handed grip	Yellow Helmet	Prickly Vines
Zack Everest	Heavy Crowbar	Sonic Whistle	Left-handed grip	Yellow Helmet	Prickly Vines
Gemma Stone	Heavy Crowbar	Map Scanner	Right-handed grip	Brown Fedora	Prickly Vines
Indiana Smith	Laser Compass	Mini Shovel	Left-handed grip	Yellow Helmet	Prickly Vines
Steve Irwin	Laser Compass	Sonic Whistle	Right-handed grip	Green Safari Hat	Squeaky Bats
Chloe Summit	Heavy Crowbar	Mini Shovel	Left-handed grip	Brown Fedora	Prickly Vines
Amelia Earhart	Climbing Claws	Mini Shovel	Right-handed grip	Green Safari Hat	Prickly Vines
Sam Trail	Heavy Crowbar	Map Scanner	Left-handed grip	Yellow Helmet	Prickly Vines
Bindi Irwin	Climbing Claws	Decoder Lens	Right-handed grip	Green Safari Hat	Jungle Spiders
Toby Trek	Heavy Crowbar	Sonic Whistle	Right-handed grip	Green Safari Hat	Jungle Spiders
Leo Sterling	Heavy Crowbar	Sonic Whistle	Right-handed grip	Green Safari Hat	Squeaky Bats
Finn Woods	Rescue Rope	Mini Shovel	Right-handed grip	Yellow Helmet	Prickly Vines
Ben Ranger	Laser Compass	Sonic Whistle	Right-handed grip	Yellow Helmet	Prickly Vines
Hazel Moss	Grappling Hook	Map Scanner	Left-handed grip	Yellow Helmet	Prickly Vines
Marco Polo	Rescue Rope	Metal Detector	Right-handed grip	Brown Fedora	Squeaky Bats
Jack Wilder	Heavy Crowbar	Decoder Lens	Left-handed grip	Brown Fedora	Squeaky Bats
Jane Goodall	Grappling Hook	Decoder Lens	Right-handed grip	Yellow Helmet	Prickly Vines

CLUE 1

Multiplication facts (1-12)

We found rows of mysterious stone tiles blocking the path. If we multiply the rows by the tiles in each row, we will unlock the first chest!

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

T																T
54	40	60	80	21	30	30	28	21	12	66	5	60	2	12	5	54
														T		
64	2	60	28	2	5	12	21	42	1	40	21	2	54	30	60	

$9 \times 6 = \square \rightarrow \boxed{\text{T}}$

$6 \times 7 = \square \rightarrow \boxed{\text{C}}$

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

$11 \times 6 = \square \rightarrow \boxed{\text{D}}$

$7 \times 4 = \square \rightarrow \boxed{\text{A}}$

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

$12 \times 5 = \square \rightarrow \boxed{\text{E}}$

$10 \times 3 = \square \rightarrow \boxed{\text{L}}$

$3 \times 4 = \square \rightarrow \boxed{\text{N}}$

$10 \times 4 = \square \rightarrow \boxed{\text{H}}$

$1 \times 1 = \square \rightarrow \boxed{\text{W}}$

$2 \times 1 = \square \rightarrow \boxed{\text{S}}$

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

$3 \times 7 = \square \rightarrow \boxed{\text{I}}$

Scratch space:

CLUE 2

Word problems

Our team needs to pack the right gear for the wet jungle. Solving these tricky gear-weight problems will give us the next clue.

Solve each problem, then write its letter in the boxes to fill in the missing word.

A witness saw the villain was L D D G R I P .

46 65 9 34 17 53 37 65

Ranger Rick found 8 backpack yesterday and 38 more today. How many backpack in all?

Answer: → L

There were 69 backpack. 16 were used up. How many backpack are left?

Answer: → A

There were 92 compass. 27 were used up. How many compass are left?

Answer: → E

There were 72 backpack. 38 were used up. How many backpack are left?

Answer: → T

Ranger Rick found 5 canteen yesterday and 4 more today. How many canteen in all?

Answer: → F

There were 53 compass. 16 were used up. How many compass are left?

Answer: → N

Ranger Rick found 13 notebook yesterday and 4 more today. How many notebook in all?

Answer: → H

Scratch space:

CLUE 3

We gathered ripped scraps of an old map. By adding all the map pieces together, we can see where the suspect went.

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

Diagram showing the arrangement of 18 numbered boxes in two rows. The top row has 18 boxes, with the first and 17th boxes containing an orange 'T'. The bottom row has 14 boxes. The numbers below the boxes are:

Row 1: 3900, 4559, 9487, 6381, 2549, 5644, 4011, 3350, 4011, 5644, 9362, 2549, 8755, 8402, 3900, 4559, 9487

Row 2: 5800, 6381, 2549, 7777, 4531, 3350, 7020, 5644, 2549, 2756, 9487, 8402

$$1794 + 2106 = \boxed{} \rightarrow \boxed{\mathbf{T}}$$

$$2253 + 1758 = \boxed{} \rightarrow \boxed{\text{A}}$$

$$4337 + 4418 = \boxed{} \rightarrow \boxed{\mathbf{D}}$$

$3527 + 3493 = \boxed{} \rightarrow \boxed{\text{Y}}$

$$2526 + 3118 = \boxed{} \rightarrow \boxed{\mathbf{v}}$$

$$5263 + 4224 = \boxed{} \rightarrow \boxed{\text{E}}$$

$$1540 + 2991 = \boxed{} \rightarrow \boxed{\text{K}}$$

$$1343 + 1413 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$1733 + 816 = \boxed{} \rightarrow \boxed{\text{I}}$$

$$3437 + 2944 = \boxed{} \rightarrow \boxed{\text{R}}$$

$$1904 + 3896 = \boxed{} \rightarrow \boxed{\text{P}}$$

$$5720 + 2682 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$1321 + 2029 = \boxed{} \rightarrow \boxed{\text{L}}$$

$$2255 + 2304 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$3602 + 4175 = \boxed{} \rightarrow \boxed{\text{C}}$$

$$5301 + 4061 = \boxed{} \rightarrow \boxed{\mathbf{0}}$$

Scratch space:

CLUE 4 Subtraction

Wild monkeys took some of our water bottles from the camp. We must subtract what they stole from our total to see what is left.

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

B																	
6898	6530	4906	2271	8573	3632	4021	3389	6771	6771	4895	7593	8573	3389	6771	3026	3389	3632
4277	8598	4906	6003	3632	7593	8598	8810	8810	2715	6530	8598	4277	3389	7794	4895	4150	4150

$9184 - 2286 = \square \rightarrow \text{B}$

$5121 - 1489 = \square \rightarrow \text{T}$

$7614 - 2719 = \square \rightarrow \text{O}$

$13161 - 4588 = \square \rightarrow \text{H}$

$13486 - 4888 = \square \rightarrow \text{A}$

$5768 - 3497 = \square \rightarrow \text{G}$

$8963 - 4942 = \square \rightarrow \text{Y}$

$11283 - 3489 = \square \rightarrow \text{D}$

$11226 - 4696 = \square \rightarrow \text{R}$

$6208 - 2819 = \square \rightarrow \text{E}$

$9166 - 4260 = \square \rightarrow \text{I}$

$12422 - 4829 = \square \rightarrow \text{W}$

$3627 - 601 = \square \rightarrow \text{M}$

$6452 - 2175 = \square \rightarrow \text{P}$

$4580 - 430 = \square \rightarrow \text{F}$

$8556 - 2553 = \square \rightarrow \text{N}$

$9769 - 2998 = \square \rightarrow \text{L}$

$10029 - 1219 = \square \rightarrow \text{S}$

$7245 - 4530 = \square \rightarrow \text{C}$

Scratch space:

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

To cross the deep canyon, we must divide our longest rope into equal parts. Sharing the rope evenly gives us our final clue.

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:

$6 \div 6 = \boxed{}$

$36 \div 9 = \boxed{}$

$30 \div 5 = \boxed{}$

$63 \div 9 = \boxed{}$

$16 \div 2 = \boxed{}$

$24 \div 2 = \boxed{}$

$15 \div 5 = \boxed{}$

$110 \div 10 = \boxed{}$

$18 \div 9 = \boxed{}$

$15 \div 3 = \boxed{}$

$110 \div 11 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain unlocked the golden temple door, then translated the ancient secret runes.
2. The villain climbed up the ancient ruins wall, then scanned the dusty paths for traps.
3. The villain pried open the heavy treasure chest, then scared away the wild monkeys.
4. The villain unlocked the golden temple door, then dug up the hidden golden map.
5. The villain climbed up the ancient ruins wall, then translated the ancient secret runes.
6. The villain swung across the crumbling stone bridge, then scanned the dusty paths for traps.
7. The villain pried open the heavy treasure chest, then dug up the hidden golden map.
8. The villain swung across the crumbling stone bridge, then translated the ancient secret runes.
9. The villain pried open the heavy treasure chest, then scanned the dusty paths for traps.
10. The villain crossed the roaring jungle river, then located the buried stone key.
11. The villain crossed the roaring jungle river, then scared away the wild monkeys.
12. The villain climbed up the ancient ruins wall, then scared away the wild monkeys.

Answer Key

The Lost Jade Jaguar

Culprit: Sam Trail

Heavy Crowbar · Map Scanner · Left-handed grip · Yellow Helmet · Prickly Vines

Trail: Start 21 → Clue 1 16 → Clue 2 9 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE VILLAIN DOES NOT USE A SONIC WHISTLE"

$9 \times 6 = 54$ (T) · $6 \times 7 = 42$ (C) · $8 \times 10 = 80$ (V) · $11 \times 6 = 66$ (D) · $7 \times 4 = 28$ (A) · $8 \times 8 = 64$ (U) · $12 \times 5 = 60$ (E) · $10 \times 3 = 30$ (L) · $3 \times 4 = 12$ (N) · $10 \times 4 = 40$ (H) · $1 \times 1 = 1$ (W) · $2 \times 1 = 2$ (S) · $5 \times 1 = 5$ (O) · $3 \times 7 = 21$ (I)

Clue 2 (Word problems): "LEFT HANDED GRIP"

Ranger Rick found 8 backpack yesterday and 38 more today. How many backpack in all? = 46 (L) · There were 69 backpack. 16 were used up. How many backpack are left? = 53 (A) · There were 92 compass. 27 were used up. How many compass are left? = 65 (E) · There were 72 backpack. 38 were used up. How many backpack are left? = 34 (T) · Ranger Rick found 5 canteen yesterday and 4 more today. How many canteen in all? = 9 (F) · There were 53 compass. 16 were used up. How many compass are left? = 37 (N) · Ranger Rick found 13 notebook yesterday and 4 more today. How many notebook in all? = 17 (H)

Clue 3 (Addition): "THE RIVAL AVOIDS THE PRICKLY VINES"

$1794 + 2106 = 3900$ (T) · $2253 + 1758 = 4011$ (A) · $4337 + 4418 = 8755$ (D) · $3527 + 3493 = 7020$ (Y) · $2526 + 3118 = 5644$ (V) · $5263 + 4224 = 9487$ (E) · $1540 + 2991 = 4531$ (K) · $1343 + 1413 = 2756$ (N) · $1733 + 816 = 2549$ (I) · $3437 + 2944 = 6381$ (R) · $1904 + 3896 = 5800$ (P) · $5720 + 2682 = 8402$ (S) · $1321 + 2029 = 3350$ (L) · $2255 + 2304 = 4559$ (H) · $3602 + 4175 = 7777$ (C) · $5301 + 4061 = 9362$ (O)

Clue 4 (Subtraction): "BRIGHT YELLOW HELMET PAINT WAS SCRAPED OFF"

$9184 - 2286 = 6898$ (B) · $5121 - 1489 = 3632$ (T) · $7614 - 2719 = 4895$ (O) · $13161 - 4588 = 8573$ (H) · $13486 - 4888 = 8598$ (A) · $5768 - 3497 = 2271$ (G) · $8963 - 4942 = 4021$ (Y) · $11283 - 3489 = 7794$ (D) · $11226 - 4696 = 6530$ (R) · $6208 - 2819 = 3389$ (E) · $9166 - 4260 = 4906$ (I) · $12422 - 4829 = 7593$ (W) · $3627 - 601 = 3026$ (M) · $6452 - 2175 = 4277$ (P) · $4580 - 430 = 4150$ (F) · $8556 - 2553 = 6003$ (N) · $9769 - 2998 = 6771$ (L) · $10029 - 1219 = 8810$ (S) · $7245 - 4530 = 2715$ (C)

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

$6 \div 6 = 1$ · $36 \div 9 = 4$ · $30 \div 5 = 6$ · $63 \div 9 = 7$ · $16 \div 2 = 8$ · $24 \div 2 = 12$ · $15 \div 5 = 3$ · $110 \div 10 = 11$ · $18 \div 9 = 2$ · $15 \div 3 = 5$ · $110 \div 11 = 10$