



The Great Jungle Treasure Mystery

Grade 8 math · Multiplication, Subtraction, Addition, Place value, Two-step equations · Reading level grades 3-4

Detective: _____ Date: _____

Someone swiped the Golden Monkey Statue from base camp! Detective, inspect the clue notes and unmask the sneaky Jungle Bandit before they slip away.

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 Jungle Bandit is _____

Possible suspects

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

NAME	JUNGLE SKILL	CAMP GEAR	HEADWEAR	HAIRSTYLE	JUNGLE FEAR
Nora Wilde	Map Reading	Torch Light	Wears Cap	Braided Hair	Loud Whistles
Hazel Park	Map Reading	Torch Light	Wears Cap	Curly Hair	Mud Puddles
Ruby Fox	River Raft	Tent Pitching	Wears Cap	Curly Hair	Mosquito Swarms
Chloe Marsh	Tree Climb	Torch Light	Wears Cap	Spiky Hair	Loud Whistles
Owen Drake	Animal Talk	Rope Tying	Wears Cap	Spiky Hair	Mud Puddles
Cole Stone	Animal Talk	Rope Tying	Wears Cap	Braided Hair	Mud Puddles
Milo West	Map Reading	Torch Light	Wears Cap	Spiky Hair	Loud Whistles
Ella Finch	Tree Climb	Trap Dodge	Wears Cap	Spiky Hair	Mud Puddles
Tara Brooks	Vine Swing	Compass Use	Wears Cap	Spiky Hair	Loud Whistles
Zoe Vance	River Raft	Rope Tying	Wears Cap	Spiky Hair	Loud Whistles
Lucas Knight	Tree Climb	Tent Pitching	Wears Cap	Spiky Hair	Mud Puddles
Ivy Chen	River Raft	Compass Use	Wears Cap	Braided Hair	Loud Whistles
Caleb Rhodes	Tree Climb	Trap Dodge	Wears Sunhat	Spiky Hair	Loud Whistles
Ethan Thorne	Animal Talk	Compass Use	Wears Sunhat	Spiky Hair	Mud Puddles
Gabe Lin	Vine Swing	Torch Light	Wears Cap	Spiky Hair	Mud Puddles
Jack Oakes	Vine Swing	Compass Use	Wears Sunhat	Spiky Hair	Loud Whistles
Noah Hayes	Tree Climb	Tent Pitching	Wears Sunhat	Spiky Hair	Mud Puddles
Maya Cruz	Map Reading	Trap Dodge	Wears Sunhat	Curly Hair	Mud Puddles
Aria Frost	Animal Talk	Compass Use	Wears Cap	Spiky Hair	Mud Puddles
Sam Rivers	Map Reading	Tent Pitching	Wears Sunhat	Curly Hair	Loud Whistles
Lila Reed	Animal Talk	Tent Pitching	Wears Sunhat	Curly Hair	Mud Puddles

CLUE 1

Multiplication facts (1-12)

The scouts counted supply crates stacked in equal rows along the riverbank.

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

T																T
54	15	63	10	44	81	81	144	44	108	22	45	63	88	108	45	54

			T								
2	88	63	54	1	144	21	22	45	22	33	63

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

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

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

$5 \times 2 = \square \rightarrow \boxed{\text{V}}$

$5 \times 9 = \square \rightarrow \boxed{\text{O}}$

$12 \times 12 = \square \rightarrow \boxed{\text{A}}$

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

$8 \times 11 = \square \rightarrow \boxed{\text{S}}$

$11 \times 2 = \square \rightarrow \boxed{\text{D}}$

$5 \times 3 = \square \rightarrow \boxed{\text{H}}$

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

$9 \times 7 = \square \rightarrow \boxed{\text{E}}$

$11 \times 4 = \square \rightarrow \boxed{\text{I}}$

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

$12 \times 9 = \square \rightarrow \boxed{\text{N}}$

Scratch space:

CLUE 2

Subtraction

The leader subtracted damaged tents from the total inventory to see what was left.

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

W									W								
7770	3952	8832	1347	8498	3629	3629	3629	2607	7770	2607	5099	2607	1534	1347	8498	2607	8014

8832	5570	8498	8014	3952	3184

$$8063 - 293 = \boxed{} \rightarrow \boxed{W}$$

$$10727 - 2713 = \boxed{} \rightarrow \boxed{R}$$

$$3455 - 1921 = \boxed{} \rightarrow \boxed{P}$$

$$6303 - 733 = \boxed{} \rightarrow \boxed{H}$$

$$8776 - 278 = \boxed{} \rightarrow \boxed{E}$$

$$6731 - 2779 = \boxed{} \rightarrow \boxed{I}$$

$$8185 - 3086 = \boxed{} \rightarrow \boxed{C}$$

$$4766 - 1582 = \boxed{} \rightarrow \boxed{V}$$

$$3510 - 903 = \boxed{} \rightarrow \boxed{A}$$

$$8011 - 4382 = \boxed{} \rightarrow \boxed{S}$$

$$11805 - 2973 = \boxed{} \rightarrow \boxed{T}$$

$$2905 - 1558 = \boxed{} \rightarrow \boxed{N}$$

Scratch space:

CLUE 3

Addition

The team tallied up all the trail maps collected from different camps.

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

T																
8617	8015	7794	7083	6222	7794	9089	8126	5875	2960	6222	7083	9089	4789	9089	2193	

3106	5875	6914	3674	3674	2960	7265	5860	2960	7265	7265	7491	7794	7083		

$5890 + 2727 = \square \rightarrow \text{[T]}$

$4945 + 2138 = \square \rightarrow \text{[S]}$

$3651 + 4475 = \square \rightarrow \text{[K]}$

$5165 + 2629 = \square \rightarrow \text{[E]}$

$4820 + 2671 = \square \rightarrow \text{[L]}$

$2042 + 3818 = \square \rightarrow \text{[P]}$

$3393 + 4622 = \square \rightarrow \text{[H]}$

$2230 + 3645 = \square \rightarrow \text{[R]}$

$1821 + 1285 = \square \rightarrow \text{[F]}$

$1711 + 1963 = \square \rightarrow \text{[M]}$

$3807 + 3107 = \square \rightarrow \text{[O]}$

$3509 + 5580 = \square \rightarrow \text{[A]}$

$1650 + 3139 = \square \rightarrow \text{[W]}$

$806 + 1387 = \square \rightarrow \text{[Y]}$

$1140 + 1820 = \square \rightarrow \text{[U]}$

$4651 + 2614 = \square \rightarrow \text{[D]}$

$2989 + 3233 = \square \rightarrow \text{[N]}$

Scratch space:

CLUE 4 Place value

A digital compass readout showed digits in the hundreds and tens places.

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

S										S							S				
600	3000	20	500	5000	2000	30	20	800	600	1000	800	30	50	90	600	4000	700	800	700		

10	700	7000	1000	900	50	30	80	20	50	700										

What is the value of the 6 in 80,671?

→ **S**

What is the value of the 3 in 114,032?

→ **A**

What is the value of the 3 in 83,690?

→ **P**

What is the value of the 9 in 34,497?

→ **D**

What is the value of the 8 in 460,829?

→ **R**

What is the value of the 2 in 632,386?

→ **H**

What is the value of the 2 in 96,324?

→ **I**

What is the value of the 5 in 497,523?

→ **K**

What is the value of the 7 in 342,729?

→ **E**

What is the value of the 5 in 983,156?

→ **N**

What is the value of the 9 in 51,907?

→ **O**

What is the value of the 5 in 25,400?

→ **Y**

What is the value of the 8 in 770,981?

→ **V**

What is the value of the 1 in 23,515?

→ **L**

What is the value of the 7 in 647,030?

→ **F**

What is the value of the 1 in 861,837?

→ **T**

What is the value of the 4 in 94,256?

→ **W**

Scratch space:

CLUE 5**Two-step equations - the last clue**

To solve the secret path code, the team set up a balanced scale equation.

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:

$4x + 1 = 25, x = \boxed{}$

$5x + 6 = 51, x = \boxed{}$

$2x + 4 = 6, x = \boxed{}$

$6x + 4 = 52, x = \boxed{}$

$4x + 1 = 45, x = \boxed{}$

$6x + 12 = 54, x = \boxed{}$

$5x + 3 = 53, x = \boxed{}$

$6x + 6 = 78, x = \boxed{}$

$5x + 5 = 25, x = \boxed{}$

$4x + 1 = 13, x = \boxed{}$

$3x + 9 = 24, x = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain climbed the giant canopy tree, then pitched a green camo tent.
2. The villain chattered with the wild parrots, then checked a brass compass.
3. The villain paddled down the swift river, then lit a bright campfire torch.
4. The villain chattered with the wild parrots, then pitched a green camo tent.
5. The villain read the ancient stone map, then dodged a hidden rope trap.
6. The villain swung on a long jungle vine, then lit a bright campfire torch.
7. The villain paddled down the swift river, then dodged a hidden rope trap.
8. The villain climbed the giant canopy tree, then dodged a hidden rope trap.
9. The villain chattered with the wild parrots, then tied a tight sailor knot.
10. The villain climbed the giant canopy tree, then lit a bright campfire torch.
11. The villain climbed the giant canopy tree, then checked a brass compass.
12. The villain climbed the giant canopy tree, then tied a tight sailor knot.

Answer Key

The Great Jungle Treasure Mystery

Culprit: Aria Frost

Animal Talk · Compass Use · Wears Cap · Spiky Hair · Mud Puddles

Trail: Start 21 → Clue 1 18 → Clue 2 13 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE VILLAIN DOES NOT USE TRAP DODGE"

$6 \times 9 = 54$ (T) · $1 \times 1 = 1$ (R) · $9 \times 9 = 81$ (L) · $5 \times 2 = 10$ (V) · $5 \times 9 = 45$ (O) · $12 \times 12 = 144$ (A) · $7 \times 3 = 21$ (P) · $8 \times 11 = 88$ (S) · $11 \times 2 = 22$ (D) · $5 \times 3 = 15$ (H) · $1 \times 2 = 2$ (U) · $9 \times 7 = 63$ (E) · $11 \times 4 = 44$ (I) · $3 \times 11 = 33$ (G) · $12 \times 9 = 108$ (N)

Clue 2 (Subtraction): "WITNESS SAW A CAP NEAR THE RIVER"

$8063 - 293 = 7770$ (W) · $10727 - 2713 = 8014$ (R) · $3455 - 1921 = 1534$ (P) · $6303 - 733 = 5570$ (H) · $8776 - 278 = 8498$ (E) · $6731 - 2779 = 3952$ (I) · $8185 - 3086 = 5099$ (C) · $4766 - 1582 = 3184$ (V) · $3510 - 903 = 2607$ (A) · $8011 - 4382 = 3629$ (S) · $11805 - 2973 = 8832$ (T) · $2905 - 1558 = 1347$ (N)

Clue 3 (Addition): "THE SNEAK RUNS AWAY FROM MUD PUDDLES"

$5890 + 2727 = 8617$ (T) · $4945 + 2138 = 7083$ (S) · $3651 + 4475 = 8126$ (K) · $5165 + 2629 = 7794$ (E) · $4820 + 2671 = 7491$ (L) · $2042 + 3818 = 5860$ (P) · $3393 + 4622 = 8015$ (H) · $2230 + 3645 = 5875$ (R) · $1821 + 1285 = 3106$ (F) · $1711 + 1963 = 3674$ (M) · $3807 + 3107 = 6914$ (O) · $3509 + 5580 = 9089$ (A) · $1650 + 3139 = 4789$ (W) · $806 + 1387 = 2193$ (Y) · $1140 + 1820 = 2960$ (U) · $4651 + 2614 = 7265$ (D) · $2989 + 3233 = 6222$ (N)

Clue 4 (Place value): "SPIKY HAIR STRANDS WERE LEFT ON A VINE"

What is the value of the 6 in 80,671? = 600 (S) · What is the value of the 3 in 114,032? = 30 (A) · What is the value of the 3 in 83,690? = 3000 (P) · What is the value of the 9 in 34,497? = 90 (D) · What is the value of the 8 in 460,829? = 800 (R) · What is the value of the 2 in 632,386? = 2000 (H) · What is the value of the 2 in 96,324? = 20 (I) · What is the value of the 5 in 497,523? = 500 (K) · What is the value of the 7 in 342,729? = 700 (E) · What is the value of the 5 in 983,156? = 50 (N) · What is the value of the 9 in 51,907? = 900 (O) · What is the value of the 5 in 25,400? = 5000 (Y) · What is the value of the 8 in 770,981? = 80 (V) · What is the value of the 1 in 23,515? = 10 (L) · What is the value of the 7 in 647,030? = 7000 (F) · What is the value of the 1 in 861,837? = 1000 (T) · What is the value of the 4 in 94,256? = 4000 (W)

Clue 5 (Two-step equations): surviving statement is box 2 → Aria Frost

$4x + 1 = 25, x = 6$ · $5x + 6 = 51, x = 9$ · $2x + 4 = 6, x = 1$ · $6x + 4 = 52, x = 8$ · $4x + 1 = 45, x = 11$ · $6x + 12 = 54, x = 7$ · $5x + 3 = 53, x = 10$ · $6x + 6 = 78, x = 12$ · $5x + 5 = 25, x = 4$ · $4x + 1 = 13, x = 3$ · $3x + 9 = 24, x = 5$