



The Great Jungle Map Mystery

Grade 3 math · Multiplication, Rounding, Word problems, Place value, Division · Reading level grades 3-4

Detective: _____ Date: _____

Someone snuck into the camp and snatched the golden map from the lead explorer's tent! Use your math skills to inspect the camp, analyze the evidence, and spot the culprit before they escape the island.

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 sneaky bandit is _____

Possible suspects

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

NAME	SPECIAL GEAR	JUNGLE SKILL	WATCH STRAP	HAT COLOR	FEAR FACTOR
Jax Explorer	Compass Whistle	Tree Climbing	Left Wrist Watch	Green Mesh Visor	Bright Flares
Toby Trail	Compass Whistle	Animal Calls	Left Wrist Watch	Brown Felt Fedora	Itchy Mud
Leo Tracker	Compass Whistle	Tree Climbing	Left Wrist Watch	Green Mesh Visor	Loud Whistles
Piper Peak	Night Goggles	Knot Tying	Left Wrist Watch	Green Mesh Visor	Loud Whistles
Dax Canyon	Night Goggles	River Rafting	Left Wrist Watch	Green Mesh Visor	Loud Whistles
Brody Bush	Night Goggles	Map Reading	Left Wrist Watch	Green Mesh Visor	Itchy Mud
Remy Ridge	Grappling Hook	Animal Calls	Left Wrist Watch	Red Safari Cap	Bright Flares
Milo Mud	Night Goggles	Tree Climbing	Right Wrist Watch	Green Mesh Visor	Bright Flares
Tess Timber	Torch Blaster	Animal Calls	Left Wrist Watch	Brown Felt Fedora	Itchy Mud
Zuri Zip	Night Goggles	Map Reading	Left Wrist Watch	Red Safari Cap	Itchy Mud
Finn Flint	Rope Launcher	River Rafting	Left Wrist Watch	Brown Felt Fedora	Itchy Mud
Kai Vine	Grappling Hook	Animal Calls	Left Wrist Watch	Brown Felt Fedora	Loud Whistles
Penny Path	Grappling Hook	Map Reading	Left Wrist Watch	Brown Felt Fedora	Bright Flares
Nora Navigator	Night Goggles	Animal Calls	Left Wrist Watch	Green Mesh Visor	Loud Whistles
Ella Echo	Torch Blaster	Animal Calls	Right Wrist Watch	Green Mesh Visor	Itchy Mud
Otis Outpost	Compass Whistle	River Rafting	Left Wrist Watch	Green Mesh Visor	Loud Whistles
Leo Ledge	Night Goggles	Map Reading	Right Wrist Watch	Green Mesh Visor	Bright Flares
Ivy Island	Compass Whistle	Knot Tying	Right Wrist Watch	Green Mesh Visor	Loud Whistles
Hugo Hike	Compass Whistle	Knot Tying	Right Wrist Watch	Brown Felt Fedora	Bright Flares
Sam Scout	Torch Blaster	Map Reading	Left Wrist Watch	Green Mesh Visor	Loud Whistles
Ruby River	Night Goggles	Animal Calls	Right Wrist Watch	Red Safari Cap	Loud Whistles

CLUE 1
Multiplication facts (1-12)

We found rows of footprints near the campsite shelter. Count the total prints in these equal groups to decode the first clue!

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

T																			
72	12	63	36	7	63	5	9	16	80	5	7	84	45	72	84	144	63	36	

7	144	72	84	144	88	45	14	63	88	88	5	99	72	45	7	64			

$6 \times 12 = \square \rightarrow \boxed{\text{T}}$	$3 \times 3 = \square \rightarrow \boxed{\text{K}}$	$11 \times 9 = \square \rightarrow \boxed{\text{F}}$	
$8 \times 8 = \square \rightarrow \boxed{\text{G}}$	$8 \times 2 = \square \rightarrow \boxed{\text{Y}}$	$12 \times 7 = \square \rightarrow \boxed{\text{D}}$	$3 \times 4 = \square \rightarrow \boxed{\text{H}}$
$9 \times 7 = \square \rightarrow \boxed{\text{E}}$	$9 \times 5 = \square \rightarrow \boxed{\text{I}}$	$7 \times 2 = \square \rightarrow \boxed{\text{V}}$	
$12 \times 12 = \square \rightarrow \boxed{\text{O}}$	$9 \times 4 = \square \rightarrow \boxed{\text{S}}$	$1 \times 7 = \square \rightarrow \boxed{\text{N}}$	
$5 \times 1 = \square \rightarrow \boxed{\text{A}}$	$10 \times 8 = \square \rightarrow \boxed{\text{B}}$	$11 \times 8 = \square \rightarrow \boxed{\text{R}}$	

Scratch space:

CLUE 2 Rounding

The scout radar panel only displays numbers rounded to the nearest ten. Round this reading to unlock the next secret!

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

W									W		W						
700	7000	6000	8000	80	90	90	90	50	700	50	700	50	6000	60	20	800	8000
									W								
6000	20	80	9000	80	200	6000	700	900	7000	90	6000						

Round 721 to the nearest hundred → **W**

Round 6,810 to the nearest thousand → **I**

Round 6,159 to the nearest thousand → **T**

Round 92 to the nearest ten → **S**

Round 58 to the nearest ten → **C**

Round 23 to the nearest ten → **H**

Round 848 to the nearest hundred → **O**

Round 936 to the nearest hundred → **R**

Round 76 to the nearest ten → **E**

Round 8,593 to the nearest thousand → **L**

Round 225 to the nearest hundred → **F**

Round 8,031 to the nearest thousand → **N**

Round 52 to the nearest ten → **A**

Scratch space:

CLUE 3

Word problems

The lead explorer left behind a supply log with a puzzle to solve. Figure out the final supply count to read this message!

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

Someone scared the villain off with

L							S	T	L	E	S
12	70	46	57	47	64	62			12		

.

Scout lined up 6 rows of 2 snack bars. How many snack bars in all?

Answer: → **L**

Scout found 31 jungle maps yesterday and 39 more today. How many jungle maps in all?

Answer: → **O**

Scout lined up 8 rows of 8 jungle maps. How many jungle maps in all?

Answer: → **H**

Scout found 5 snack bars yesterday and 57 more today. How many snack bars in all?

Answer: → **I**

There were 82 brass compasses. 35 were used up. How many brass compasses are left?

Answer: → **W**

There were 48 climbing ropes. 2 were used up. How many climbing ropes are left?

Answer: → **U**

There were 91 climbing ropes. 34 were used up. How many climbing ropes are left?

Answer: → **D**

Scratch space:

CLUE 4 Place value

A locked trail safe has numbers missing on its keypad. Check the place value of each digit to reveal the combination!

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

A																	A	
4000	600	100	800	800	200	300	800	30	70	20	3000	30	700	100	2000	4000	30	
				A														
80	800	7000	400	4000	400	400	70	800	30	6000	800	200	800					

What is the value of the 4 in 4,736? → **A**

What is the value of the 3 in 43,420? → **I**

What is the value of the 7 in 719? → **O**

What is the value of the 4 in 421? → **T**

What is the value of the 1 in 139? → **R**

What is the value of the 2 in 271? → **N**

What is the value of the 3 in 930? → **S**

What is the value of the 3 in 6,396? → **M**

What is the value of the 7 in 876? → **H**

What is the value of the 8 in 983? → **L**

What is the value of the 2 in 12,078? → **W**

What is the value of the 2 in 6,028? → **V**

What is the value of the 7 in 7,502? → **F**

What is the value of the 8 in 3,822? → **E**

What is the value of the 6 in 26,119? → **C**

What is the value of the 6 in 2,627? → **G**

Scratch space:

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

The team must divide the energy bars equally among the search packs. Share them evenly to uncover the 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:

$70 \div 10 = \boxed{}$

$132 \div 12 = \boxed{}$

$90 \div 9 = \boxed{}$

$10 \div 10 = \boxed{}$

$56 \div 7 = \boxed{}$

$132 \div 11 = \boxed{}$

$35 \div 7 = \boxed{}$

$42 \div 7 = \boxed{}$

$63 \div 7 = \boxed{}$

$36 \div 9 = \boxed{}$

$24 \div 12 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain blew the compass whistle, then mimicked animal calls.
2. The villain fired the grappling hook, then read the secret map.
3. The villain lit the torch blaster, then read the secret map.
4. The villain blew the compass whistle, then tied heavy knot ropes.
5. The villain turned on night goggles, then climbed the tall trees.
6. The villain shot the rope launcher, then climbed the tall trees.
7. The villain turned on night goggles, then tied heavy knot ropes.
8. The villain lit the torch blaster, then climbed the tall trees.
9. The villain shot the rope launcher, then tied heavy knot ropes.
10. The villain blew the compass whistle, then climbed the tall trees.
11. The villain turned on night goggles, then mimicked animal calls.
12. The villain shot the rope launcher, then read the secret map.

Answer Key

The Great Jungle Map Mystery

Culprit: Sam Scout

Torch Blaster · Map Reading · Left Wrist Watch · Green Mesh Visor · Loud Whistles

Trail: Start 21 → Clue 1 18 → Clue 2 12 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE SNEAKY BANDIT DOES NOT DO RIVER RAFTING"

$6 \times 12 = 72$ (T) · $3 \times 3 = 9$ (K) · $11 \times 9 = 99$ (F) · $8 \times 8 = 64$ (G) · $8 \times 2 = 16$ (Y) · $12 \times 7 = 84$ (D) · $3 \times 4 = 12$ (H) · $9 \times 7 = 63$ (E) · $9 \times 5 = 45$ (I) · $7 \times 2 = 14$ (V) · $12 \times 12 = 144$ (O) · $9 \times 4 = 36$ (S) · $1 \times 7 = 7$ (N) · $5 \times 1 = 5$ (A) · $10 \times 8 = 80$ (B) · $11 \times 8 = 88$ (R)

Clue 2 (Rounding): "WITNESS SAW A WATCH ON THE LEFT WRIST"

Round 721 to the nearest hundred = 700 (W) · Round 6,810 to the nearest thousand = 7000 (I) · Round 6,159 to the nearest thousand = 6000 (T) · Round 92 to the nearest ten = 90 (S) · Round 58 to the nearest ten = 60 (C) · Round 23 to the nearest ten = 20 (H) · Round 848 to the nearest hundred = 800 (O) · Round 936 to the nearest hundred = 900 (R) · Round 76 to the nearest ten = 80 (E) · Round 8,593 to the nearest thousand = 9000 (L) · Round 225 to the nearest hundred = 200 (F) · Round 8,031 to the nearest thousand = 8000 (N) · Round 52 to the nearest ten = 50 (A)

Clue 3 (Word problems): "LOUD WHISTLES"

Scout lined up 6 rows of 2 snack bars. How many snack bars in all? = 12 (L) · Scout found 31 jungle maps yesterday and 39 more today. How many jungle maps in all? = 70 (O) · Scout lined up 8 rows of 8 jungle maps. How many jungle maps in all? = 64 (H) · Scout found 5 snack bars yesterday and 57 more today. How many snack bars in all? = 62 (I) · There were 82 brass compasses. 35 were used up. How many brass compasses are left? = 47 (W) · There were 48 climbing ropes. 2 were used up. How many climbing ropes are left? = 46 (U) · There were 91 climbing ropes. 34 were used up. How many climbing ropes are left? = 57 (D)

Clue 4 (Place value): "A GREEN MESH VISOR WAS LEFT AT THE SCENE"

What is the value of the 4 in 4,736? = 4000 (A) · What is the value of the 3 in 43,420? = 3000 (I) · What is the value of the 7 in 719? = 700 (O) · What is the value of the 4 in 421? = 400 (T) · What is the value of the 1 in 139? = 100 (R) · What is the value of the 2 in 271? = 200 (N) · What is the value of the 3 in 930? = 30 (S) · What is the value of the 3 in 6,396? = 300 (M) · What is the value of the 7 in 876? = 70 (H) · What is the value of the 8 in 983? = 80 (L) · What is the value of the 2 in 12,078? = 2000 (W) · What is the value of the 2 in 6,028? = 20 (V) · What is the value of the 7 in 7,502? = 7000 (F) · What is the value of the 8 in 3,822? = 800 (E) · What is the value of the 6 in 26,119? = 6000 (C) · What is the value of the 6 in 2,627? = 600 (G)

Clue 5 (Division facts (1-12)): surviving statement is box 3 → Sam Scout

$70 \div 10 = 7$ · $132 \div 12 = 11$ · $90 \div 9 = 10$ · $10 \div 10 = 1$ · $56 \div 7 = 8$ · $132 \div 11 = 12$ · $35 \div 7 = 5$ · $42 \div 7 = 6$ · $63 \div 7 = 9$ · $36 \div 9 = 4$ · $24 \div 12 = 2$