



The Secret Map Snatcher

Grade 1 math · Addition, Skip counting, Subtraction, Place value, Missing addends · Reading level grades 1-2

Detective: _____ Date: _____

Someone took the golden treasure map from the main treehouse! Solve the camp clues to track down the sneaky thief.

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 Map Thief is _____

Possible suspects

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

NAME	CAMP GADGET	SCOUT BADGE	DOMINANT HAND	WIG STYLE	SECRET TRAP
Noah	Net Shooter	Bear Badge	Left-handed	Spiky Wig	Loud Whistle
Milo	Flashlight Cannon	Tiger Badge	Left-handed	Spiky Wig	Lemon Juice
Sammy	Bubble Blaster	Bear Badge	Left-handed	Braided Wig	Lemon Juice
Lucas	Net Shooter	Bear Badge	Right-handed	Braided Wig	Lemon Juice
Jack	Net Shooter	Bear Badge	Right-handed	Spiky Wig	Shiny Mirror
Eli	Bubble Blaster	Bear Badge	Right-handed	Braided Wig	Shiny Mirror
Mia	Rope Launcher	Eagle Badge	Right-handed	Spiky Wig	Lemon Juice
Maya	Flashlight Cannon	Eagle Badge	Left-handed	Spiky Wig	Lemon Juice
Kai	Bubble Blaster	Tiger Badge	Left-handed	Spiky Wig	Lemon Juice
Emma	Bubble Blaster	Shark Badge	Left-handed	Braided Wig	Loud Whistle
Finn	Flashlight Cannon	Bear Badge	Left-handed	Spiky Wig	Lemon Juice
Alex	Net Shooter	Shark Badge	Left-handed	Curly Wig	Lemon Juice
Luna	Grape Lasso	Wolf Badge	Left-handed	Spiky Wig	Loud Whistle
Zoe	Bubble Blaster	Wolf Badge	Right-handed	Braided Wig	Loud Whistle
Chloe	Flashlight Cannon	Shark Badge	Left-handed	Spiky Wig	Lemon Juice
Leo	Rope Launcher	Bear Badge	Right-handed	Braided Wig	Shiny Mirror
Liam	Grape Lasso	Eagle Badge	Left-handed	Curly Wig	Lemon Juice
Ivy	Grape Lasso	Shark Badge	Right-handed	Curly Wig	Loud Whistle
Caleb	Rope Launcher	Eagle Badge	Right-handed	Braided Wig	Loud Whistle
Ella	Grape Lasso	Bear Badge	Right-handed	Curly Wig	Shiny Mirror
Aria	Bubble Blaster	Bear Badge	Right-handed	Braided Wig	Lemon Juice

CLUE 1 Addition

Count all the camp flags to decode the first clue.

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

T																T
15	12	16	2	5	4	4	8	5	17	3	10	16	14	17	10	15
20	16	8	7	8	13	16	8	7	13	8	3	11	16			

$11 + 4 = \square \rightarrow$ T	$1 + 1 = \square \rightarrow$ V	$1 + 3 = \square \rightarrow$ L	$8 + 8 = \square \rightarrow$ E
$8 + 12 = \square \rightarrow$ W	$8 + 9 = \square \rightarrow$ N	$9 + 3 = \square \rightarrow$ H	$3 + 4 = \square \rightarrow$ R
$3 + 5 = \square \rightarrow$ A	$4 + 10 = \square \rightarrow$ S	$2 + 1 = \square \rightarrow$ D	$1 + 4 = \square \rightarrow$ I
$5 + 5 = \square \rightarrow$ O	$9 + 4 = \square \rightarrow$ B	$7 + 4 = \square \rightarrow$ G	

Scratch space:

CLUE 2 Skip counting

Count by twos along the stepping stones to find the next clue.

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

A									A					
8	26	55	90	6	39	12	12	12	8	26	90	65	39	14

26	45	55	90	39	26	55	90	65	90	65	39	55	45	18

	A		
65	8	6	36

Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 → **A**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, __, 16, 18 → **M**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, __, 70, 75 → **H**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, __, 39, 42 → **D**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, __, 60, 65 → **I**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110 → **T**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, __, 45, 48 → **F**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, __, 28, 30 → **W**

Skip-count by 2s. Fill the blank: 2, 4, __, 8, 10 → **N**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, __, 42, 45 → **E**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, __, 20, 22 → **L**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, __, 14, 16 → **S**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 → **R**

Scratch space:

CLUE 3
Subtraction

Take away the broken compasses to reveal the secret clue.

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

T															
7	17	18	9	11	18	4	15	14	6	11	9	4	10	4	1
2	14	13	16	9	13	6	14	19	18	16	13	11	5	6	8

$16 - 9 = \square \rightarrow \text{ T }$

$11 - 2 = \square \rightarrow \text{ S }$

$20 - 2 = \square \rightarrow \text{ E }$

$19 - 2 = \square \rightarrow \text{ H }$

$20 - 7 = \square \rightarrow \text{ O }$

$19 - 4 = \square \rightarrow \text{ K }$

$17 - 1 = \square \rightarrow \text{ M }$

$18 - 8 = \square \rightarrow \text{ W }$

$15 - 9 = \square \rightarrow \text{ U }$

$20 - 9 = \square \rightarrow \text{ N }$

$20 - 6 = \square \rightarrow \text{ R }$

$13 - 1 = \square \rightarrow \text{ C }$

$9 - 4 = \square \rightarrow \text{ J }$

$12 - 8 = \square \rightarrow \text{ A }$

$13 - 5 = \square \rightarrow \text{ I }$

$6 - 4 = \square \rightarrow \text{ F }$

$20 - 1 = \square \rightarrow \text{ L }$

$5 - 4 = \square \rightarrow \text{ Y }$

Scratch space:

CLUE 4 Place value

Look at the tens and ones on the trail sign for a clue.

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

T																			
91	49	13	90	95	13	58	48	22	21	81	71	71	13	22	90	71	73	48	54

					T	T			T			
49	58	73	21	58	91	91	49	13	91	21	13	13

What number has 9 tens and 1 one? → **T**

What number has 2 tens and 1 one? → **R**

What number has 4 tens and 8 ones? → **K**

What number has 2 tens and 2 ones? → **D**

What number has 4 tens and 9 ones? → **H**

What number has 7 tens and 1 one? → **P**

What number has 8 tens and 1 one? → **O**

What number has 7 tens and 3 ones? → **I**

What number has 5 tens and 8 ones? → **A**

What number has 9 tens and 5 ones? → **N**

What number has 9 tens and 0 ones? → **S**

What number has 1 ten and 3 ones? → **E**

What number has 5 tens and 4 ones? → **Y**

Scratch space:

CLUE 5**Missing addends - the last clue**

Find the missing number of map pieces to solve the 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:

$7 + \underline{\quad} = 13$

$10 + \underline{\quad} = 19$

$8 + \underline{\quad} = 13$

$3 + \underline{\quad} = 10$

$10 + \underline{\quad} = 11$

$7 + \underline{\quad} = 11$

$10 + \underline{\quad} = 13$

$4 + \underline{\quad} = 6$

$4 + \underline{\quad} = 14$

$3 + \underline{\quad} = 11$

$7 + \underline{\quad} = 18$

Step 2 - cross out the sentence with each answer:

1. The villain fired a rope launcher, then wore a shark badge.
2. The villain blasted a bubble blaster, then wore a shark badge.
3. The villain fired a rope launcher, then displayed a wolf badge.
4. The villain fired a rope launcher, then showed an eagle badge.
5. The villain shined a flashlight cannon, then showed an eagle badge.
6. The villain blasted a bubble blaster, then flashed a tiger badge.
7. The villain fired a rope launcher, then flashed a tiger badge.
8. The villain launched a net shooter, then pinned on a bear badge.
9. The villain shined a flashlight cannon, then flashed a tiger badge.
10. The villain blasted a bubble blaster, then showed an eagle badge.
11. The villain fired a rope launcher, then pinned on a bear badge.
12. The villain shined a flashlight cannon, then wore a shark badge.

Answer Key

The Secret Map Snatcher

Culprit: Chloe

Flashlight Cannon · Shark Badge · Left-handed · Spiky Wig · Lemon Juice

Trail: Start 21 → Clue 1 12 → Clue 2 8 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE VILLAIN DOES NOT WEAR A BEAR BADGE"

$11 + 4 = 15$ (T) · $1 + 1 = 2$ (V) · $1 + 3 = 4$ (L) · $8 + 8 = 16$ (E) · $8 + 12 = 20$ (W) · $8 + 9 = 17$ (N) · $9 + 3 = 12$ (H) · $3 + 4 = 7$ (R) · $3 + 5 = 8$ (A) · $4 + 10 = 14$ (S) · $2 + 1 = 3$ (D) · $1 + 4 = 5$ (I) · $5 + 5 = 10$ (O) · $9 + 4 = 13$ (B) · $7 + 4 = 11$ (G)

Clue 2 (Skip counting): "A WITNESS SAW THEM WRITE WITH THEIR LEFT HAND"

Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 = 8 (A) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, __, 16, 18 = 14 (M) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, __, 70, 75 = 65 (H) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, __, 39, 42 = 36 (D) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, __, 60, 65 = 55 (I) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110 = 90 (T) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, __, 45, 48 = 42 (F) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, __, 28, 30 = 26 (W) · Skip-count by 2s. Fill the blank: 2, 4, __, 8, 10 = 6 (N) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, __, 42, 45 = 39 (E) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, __, 20, 22 = 18 (L) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, __, 14, 16 = 12 (S) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 = 45 (R)

Clue 3 (Subtraction): "THE SNEAK RUNS AWAY FROM SOUR LEMON JUICE"

$16 - 9 = 7$ (T) · $11 - 2 = 9$ (S) · $20 - 2 = 18$ (E) · $19 - 2 = 17$ (H) · $20 - 7 = 13$ (O) · $19 - 4 = 15$ (K) · $17 - 1 = 16$ (M) · $18 - 8 = 10$ (W) · $15 - 9 = 6$ (U) · $20 - 9 = 11$ (N) · $20 - 6 = 14$ (R) · $13 - 1 = 12$ (C) · $9 - 4 = 5$ (J) · $12 - 8 = 4$ (A) · $13 - 5 = 8$ (I) · $6 - 4 = 2$ (F) · $20 - 1 = 19$ (L) · $5 - 4 = 1$ (Y)

Clue 4 (Place value): "THE SNEAK DROPPED SPIKY HAIR AT THE TREE"

What number has 9 tens and 1 one? = 91 (T) · What number has 2 tens and 1 one? = 21 (R) · What number has 4 tens and 8 ones? = 48 (K) · What number has 2 tens and 2 ones? = 22 (D) · What number has 4 tens and 9 ones? = 49 (H) · What number has 7 tens and 1 one? = 71 (P) · What number has 8 tens and 1 one? = 81 (O) · What number has 7 tens and 3 ones? = 73 (I) · What number has 5 tens and 8 ones? = 58 (A) · What number has 9 tens and 5 ones? = 95 (N) · What number has 9 tens and 0 ones? = 90 (S) · What number has 1 ten and 3 ones? = 13 (E) · What number has 5 tens and 4 ones? = 54 (Y)

Clue 5 (Missing addends): surviving statement is box 12 → Chloe

$7 + \underline{\quad} = 13 = 6$ · $10 + \underline{\quad} = 19 = 9$ · $8 + \underline{\quad} = 13 = 5$ · $3 + \underline{\quad} = 10 = 7$ · $10 + \underline{\quad} = 11 = 1$ · $7 + \underline{\quad} = 11 = 4$ · $10 + \underline{\quad} = 13 = 3$ · $4 + \underline{\quad} = 6 = 2$ · $4 + \underline{\quad} = 14 = 10$ · $3 + \underline{\quad} = 11 = 8$ · $7 + \underline{\quad} = 18 = 11$