



The Mystery at Adventure Camp

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

Detective: _____ Date: _____

Someone took the camp trophy! The Junior Explorers must look for clues and find the thief before sunset.

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 Camp Thief is _____

Possible suspects

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

NAME	GEAR	GADGET	STANCE	HAT COLOR	FEAR
Zoe	Map	Flashlight	Right Handed	Red Hat	Bright Lights
Jack	Binoculars	Walkie Talkie	Right Handed	Red Hat	Loud Whistles
Ruby	Rope	Walkie Talkie	Left Handed	Red Hat	Squeaky Toys
Grace	Map	Whistle	Right Handed	Green Hat	Bright Lights
Mia	Binoculars	Flashlight	Left Handed	Blue Hat	Squeaky Toys
Oliver	Binoculars	Walkie Talkie	Left Handed	Red Hat	Squeaky Toys
Nora	Map	Flashlight	Right Handed	Blue Hat	Bright Lights
James	Rope	Spyglass	Right Handed	Red Hat	Bright Lights
Sam	Binoculars	Whistle	Right Handed	Green Hat	Squeaky Toys
Lucas	Lantern	Whistle	Left Handed	Green Hat	Bright Lights
Mason	Compass	Spyglass	Right Handed	Blue Hat	Bright Lights
Leo	Map	Flashlight	Left Handed	Blue Hat	Loud Whistles
Lily	Lantern	Walkie Talkie	Left Handed	Blue Hat	Loud Whistles
Ava	Compass	Flashlight	Left Handed	Red Hat	Bright Lights
Ethan	Lantern	Walkie Talkie	Right Handed	Blue Hat	Bright Lights
Maya	Binoculars	Grappling Hook	Right Handed	Red Hat	Bright Lights
Chloe	Binoculars	Whistle	Right Handed	Red Hat	Bright Lights
Noah	Compass	Grappling Hook	Left Handed	Red Hat	Loud Whistles
Liam	Rope	Flashlight	Left Handed	Red Hat	Bright Lights
Max	Rope	Whistle	Right Handed	Red Hat	Bright Lights
Sofia	Rope	Flashlight	Left Handed	Blue Hat	Loud Whistles

CLUE 1 Addition

We added up the total supplies left at camp to gather our first clue.

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

T									T									
12	3	20	4	2	20	16	13	6	12	3	8	20	19	11	14	20	4	

		T															
2	14	12	10	16	5	5	6	16	4	9	6	18	7	16	4	4	

$5 + 7 = \square \rightarrow$ T	$6 + 8 = \square \rightarrow$ O	$2 + 2 = \square \rightarrow$ S	$5 + 6 = \square \rightarrow$ D
$3 + 2 = \square \rightarrow$ R	$2 + 5 = \square \rightarrow$ L	$1 + 1 = \square \rightarrow$ N	$11 + 5 = \square \rightarrow$ A
$11 + 8 = \square \rightarrow$ F	$5 + 5 = \square \rightarrow$ C	$3 + 6 = \square \rightarrow$ P	$1 + 2 = \square \rightarrow$ H
$5 + 1 = \square \rightarrow$ Y	$13 + 7 = \square \rightarrow$ E	$3 + 10 = \square \rightarrow$ K	
$5 + 3 = \square \rightarrow$ I	$11 + 7 = \square \rightarrow$ G		

Scratch space:

CLUE 2

S

The grid contains the following numbers and markers:

T																			
14	3	18	16	9	10	12	18	16	3	18	19	12	T	14	3	18	2	9	6
5	10	14	3	14	3	18	10	16	16	10	7	3	T	14	3	9	17	12	

19 - 5 = → **T**

11 - 4 = → **G**

11 - 5 = → **P**

$16 - 6 = \square \rightarrow \boxed{1}$

20 - 1 = → **L**

$19 - 3 = \boxed{} \rightarrow \boxed{\text{R}}$

20 - 2 = → **E**

$11 - 6 = \square \rightarrow \boxed{\text{W}}$

$13 - 1 = \boxed{} \rightarrow \boxed{\text{D}}$

18 - 9 = → **A**

$4 - 1 = \square \rightarrow \boxed{\text{H}}$

9 - 7 = → **M**

19 - 2 = → **N**

S

CLUE 3 Skip counting

We counted footprint pairs by twos down the dirt path.

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

T			T													
9	14	6	9	14	130	6	100	39	55	70	26	20	33	35	6	12
													T			
33	26	55	42	100	70	16	20	33	70	130	30	14	9	35	130	30
															T	
																39

Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 → **T**

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

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, __, 75, 80 → **R**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, __, 40, 45 → **L**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 → **I**

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

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

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

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, __, 110, 120 → **F**

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

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

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, __, 18, 20 → **O**

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

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

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

Scratch space:

CLUE 4
Place value

We checked the tens and ones on the locker lock to open the note.

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

A					A						A						
89	46	72	38	86	89	22	84	46	17	87	26	89	82	98	72	50	22

						A			
79	48	22	86	72	22	46	89	17	98

What number has 8 tens and 9 ones? →

A

What number has 4 tens and 6 ones? →

R

What number has 2 tens and 2 ones? →

T

What number has 2 tens and 6 ones? →

W

What number has 9 tens and 8 ones? →

L

What number has 7 tens and 9 ones? →

O

What number has 5 tens and 0 ones? →

F

What number has 8 tens and 7 ones? →

M

What number has 8 tens and 6 ones? →

H

What number has 8 tens and 4 ones? →

B

What number has 8 tens and 2 ones? →

S

What number has 4 tens and 8 ones? →

N

What number has 7 tens and 2 ones? →

E

What number has 3 tens and 8 ones? →

D

What number has 1 ten and 7 ones? →

I

Scratch space:

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

We found the missing number of badges to solve the camp secret code.

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:

$8 + \underline{\quad} = 19$

$1 + \underline{\quad} = 6$

$6 + \underline{\quad} = 15$

$4 + \underline{\quad} = 8$

$4 + \underline{\quad} = 10$

$8 + \underline{\quad} = 18$

$3 + \underline{\quad} = 6$

$5 + \underline{\quad} = 6$

$6 + \underline{\quad} = 8$

$5 + \underline{\quad} = 17$

$1 + \underline{\quad} = 9$

Step 2 - cross out the sentence with each answer:

1. The villain lit a lantern, then talked on a walkie talkie.
2. The villain unclipped a compass, then peered through a spyglass.
3. The villain lit a lantern, then threw a grappling hook.
4. The villain lit a lantern, then clicked on a flashlight.
5. The villain looked through binoculars, then threw a grappling hook.
6. The villain lit a lantern, then peered through a spyglass.
7. The villain swung on a rope, then blew a whistle.
8. The villain looked through binoculars, then peered through a spyglass.
9. The villain unrolled a map, then clicked on a flashlight.
10. The villain unrolled a map, then talked on a walkie talkie.
11. The villain looked through binoculars, then blew a whistle.
12. The villain looked through binoculars, then clicked on a flashlight.

Answer Key

The Mystery at Adventure Camp

Culprit: Max

Rope · Whistle · Right Handed · Red Hat · Bright Lights

Trail: Start 21 → Clue 1 19 → Clue 2 9 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE SNEAKY THIEF DOES NOT CARRY A SPYGLASS"

$5 + 7 = 12$ (T) · $6 + 8 = 14$ (O) · $2 + 2 = 4$ (S) · $5 + 6 = 11$ (D) · $3 + 2 = 5$ (R) · $2 + 5 = 7$ (L) · $1 + 1 = 2$ (N) · $11 + 5 = 16$ (A) · $11 + 8 = 19$ (F) · $5 + 5 = 10$ (C) · $3 + 6 = 9$ (P) · $1 + 2 = 3$ (H) · $5 + 1 = 6$ (Y) · $13 + 7 = 20$ (E) · $3 + 10 = 13$ (K) · $5 + 3 = 8$ (I) · $11 + 7 = 18$ (G)

Clue 2 (Subtraction): "THE RAIDER HELD THE MAP WITH THEIR RIGHT HAND"

$19 - 5 = 14$ (T) · $11 - 4 = 7$ (G) · $11 - 5 = 6$ (P) · $16 - 6 = 10$ (I) · $20 - 1 = 19$ (L) · $19 - 3 = 16$ (R) · $20 - 2 = 18$ (E) · $11 - 6 = 5$ (W) · $13 - 1 = 12$ (D) · $18 - 9 = 9$ (A) · $4 - 1 = 3$ (H) · $9 - 7 = 2$ (M) · $19 - 2 = 17$ (N)

Clue 3 (Skip counting): "THE THIEF SCRAMBLED BACK FROM BRIGHT LIGHTS"

Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 = 9 (T) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, __, 45, 48 = 42 (K) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, __, 16, 18 = 14 (H) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, __, 75, 80 = 70 (R) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, __, 40, 45 = 35 (L) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 = 130 (I) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, __, 22, 24 = 20 (M) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, __, 33, 36 = 30 (G) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, __, 110, 120 = 100 (F) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, __, 28, 30 = 26 (A) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, __, 42, 45 = 39 (S) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, __, 18, 20 = 16 (O) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, __, 60, 65 = 55 (C) · Skip-count by 2s. Fill the blank: 2, 4, __, 8, 10 = 6 (E) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, __, 14, 16 = 12 (D)

Clue 4 (Place value): "A RED HAT BRIM WAS LEFT ON THE TRAIL"

What number has 8 tens and 9 ones? = 89 (A) · What number has 4 tens and 6 ones? = 46 (R) · What number has 2 tens and 2 ones? = 22 (T) · What number has 2 tens and 6 ones? = 26 (W) · What number has 9 tens and 8 ones? = 98 (L) · What number has 7 tens and 9 ones? = 79 (O) · What number has 5 tens and 0 ones? = 50 (F) · What number has 8 tens and 7 ones? = 87 (M) · What number has 8 tens and 6 ones? = 86 (H) · What number has 8 tens and 4 ones? = 84 (B) · What number has 8 tens and 2 ones? = 82 (S) · What number has 4 tens and 8 ones? = 48 (N) · What number has 7 tens and 2 ones? = 72 (E) · What number has 3 tens and 8 ones? = 38 (D) · What number has 1 ten and 7 ones? = 17 (I)

Clue 5 (Missing addends): surviving statement is box 7 → Max

$8 + \underline{\quad} = 19 = 11$ · $1 + \underline{\quad} = 6 = 5$ · $6 + \underline{\quad} = 15 = 9$ · $4 + \underline{\quad} = 8 = 4$ · $4 + \underline{\quad} = 10 = 6$ · $8 + \underline{\quad} = 18 = 10$ · $3 + \underline{\quad} = 6 = 3$ · $5 + \underline{\quad} = 6 = 1$ · $6 + \underline{\quad} = 8 = 2$ · $5 + \underline{\quad} = 17 = 12$ · $1 + \underline{\quad} = 9 = 8$