

The Camp Wildwood Mystery

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

Detective: _____ Date: _____

Oh no! The shiny Golden Binoculars are missing from the main cabin. Someone took them! We must help Director Pete find the sneaky camper 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 sneaky camper is _____

Possible suspects

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

NAME	FAVORITE ACTIVITY	SPECIAL GEAR	BOOT COLOR	HAIR STYLE	SNACK CRAVING
Alex	hiking trails	walkie talkie	green mud boots	curly brown hair	salty cheese sticks
Toby	climbing trees	magnifying glass	red mud boots	spiky blond hair	sweet apple slices
Jack	climbing trees	magnifying glass	red mud boots	spiky blond hair	salty cheese sticks
Ella	cooking hotdogs	magnifying glass	green mud boots	spiky blond hair	salty cheese sticks
Mia	paddling canoes	spy flashlight	red mud boots	curly brown hair	salty cheese sticks
Ruby	cooking hotdogs	spy flashlight	green mud boots	straight black hair	sweet apple slices
Bindi	paddling canoes	spy flashlight	red mud boots	curly brown hair	sweet apple slices
Owen	cooking hotdogs	magnifying glass	green mud boots	curly brown hair	sticky marshmallows
Steve	cooking hotdogs	pocket compass	red mud boots	curly brown hair	salty cheese sticks
Jake	cooking hotdogs	pocket compass	green mud boots	spiky blond hair	sweet apple slices
Finn	hiking trails	spy flashlight	red mud boots	curly brown hair	salty cheese sticks
Leo	watching birds	spy flashlight	green mud boots	straight black hair	sweet apple slices
Cleo	paddling canoes	magnifying glass	red mud boots	curly brown hair	sticky marshmallows
Max	hiking trails	rope ladder	red mud boots	curly brown hair	salty cheese sticks
Sam	hiking trails	pocket compass	green mud boots	curly brown hair	salty cheese sticks
Lily	cooking hotdogs	magnifying glass	green mud boots	straight black hair	salty cheese sticks
Lara	cooking hotdogs	walkie talkie	red mud boots	curly brown hair	salty cheese sticks
Dora	cooking hotdogs	spy flashlight	green mud boots	curly brown hair	salty cheese sticks
Diego	cooking hotdogs	rope ladder	red mud boots	straight black hair	salty cheese sticks
Indiana	hiking trails	magnifying glass	green mud boots	straight black hair	salty cheese sticks
Ben	paddling canoes	rope ladder	green mud boots	straight black hair	sweet apple slices

CLUE 1

Addition

We need to pack the bags. Let us add the green ropes and blue ropes together to see the total.

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

T																T
9	19	20	17	6	10	10	15	6	18	4	7	20	13	18	7	9

19	15	17	20	15	11	7	12	20	10	15	4	4	20	11		

$2 + 7 = \square \rightarrow \boxed{\text{T}}$

$4 + 2 = \square \rightarrow \boxed{\text{I}}$

$8 + 4 = \square \rightarrow \boxed{\text{P}}$

$3 + 4 = \square \rightarrow \boxed{\text{O}}$

$12 + 5 = \square \rightarrow \boxed{\text{V}}$

$4 + 6 = \square \rightarrow \boxed{\text{L}}$

$11 + 8 = \square \rightarrow \boxed{\text{H}}$

$5 + 10 = \square \rightarrow \boxed{\text{A}}$

$14 + 6 = \square \rightarrow \boxed{\text{E}}$

$7 + 6 = \square \rightarrow \boxed{\text{S}}$

$3 + 1 = \square \rightarrow \boxed{\text{D}}$

$8 + 10 = \square \rightarrow \boxed{\text{N}}$

$8 + 3 = \square \rightarrow \boxed{\text{R}}$

Scratch space:

CLUE 2

Subtraction

Some trail snacks are gone. Take away the eaten snacks to see how many are left in the jar.

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

T																		
3	19	13	17	2	17	15	13	8	3	10	13	9	5	13	17	12	13	11
14	2	11	1	4	4	3	3	12	9	8	7	17						

$5 - 2 = \square \rightarrow \boxed{\text{T}}$

$6 - 2 = \square \rightarrow \boxed{\text{O}}$

$17 - 5 = \square \rightarrow \boxed{\text{R}}$

$15 - 5 = \square \rightarrow \boxed{\text{L}}$

$18 - 1 = \square \rightarrow \boxed{\text{S}}$

$6 - 1 = \square \rightarrow \boxed{\text{V}}$

$10 - 9 = \square \rightarrow \boxed{\text{B}}$

$19 - 5 = \square \rightarrow \boxed{\text{M}}$

$18 - 3 = \square \rightarrow \boxed{\text{P}}$

$12 - 4 = \square \rightarrow \boxed{\text{C}}$

$14 - 7 = \square \rightarrow \boxed{\text{K}}$

$18 - 7 = \square \rightarrow \boxed{\text{D}}$

$6 - 4 = \square \rightarrow \boxed{\text{U}}$

$20 - 1 = \square \rightarrow \boxed{\text{H}}$

$16 - 3 = \square \rightarrow \boxed{\text{E}}$

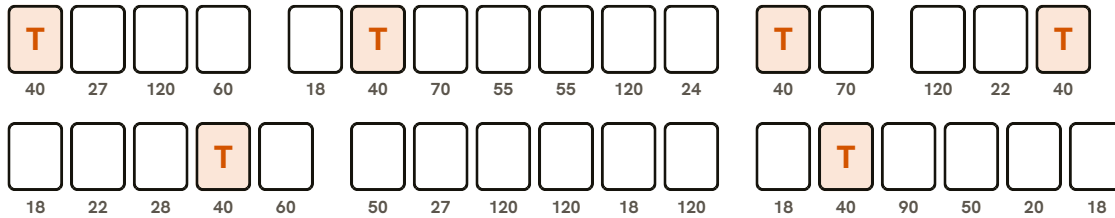
$12 - 3 = \square \rightarrow \boxed{\text{A}}$

Scratch space:

CLUE 3 Skip counting

Look at the trail. Count the muddy steps by twos to find where the tracks go.

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



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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, __, 65, 70 → **Y**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, __, 24, 26 → **A**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, __, 30, 32 → **L**

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

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

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

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

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

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, __, 130, 140 → **E**

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

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

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

Scratch space:

CLUE 4 Place value

We found a locked box. The code has some tens and some ones. Let us read the number.

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

W														
85	73	92	26	46	41	14	91	72	53	17	41	14	91	26 92
								W						
67	46	53	94	21	32	53	26	85	41	78	17	49	53	

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

What number has 1 ten and 4 ones? → **D**

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

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

What number has 1 ten and 7 ones? → **A**

What number has 6 tens and 7 ones? → **C**

What number has 3 tens and 2 ones? → **B**

What number has 9 tens and 2 ones? → **F**

What number has 5 tens and 3 ones? → **R**

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

What number has 4 tens and 1 one? → **N**

What number has 4 tens and 6 ones? → **U**

What number has 2 tens and 6 ones? → **O**

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

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

What number has 7 tens and 8 ones? → **H**

What number has 7 tens and 2 ones? → **T**

Scratch space:

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

We have some canteens. We need more to fill the box. How many more do we need to make ten?

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:

$3 + \underline{\quad} = 13$

$5 + \underline{\quad} = 12$

$3 + \underline{\quad} = 5$

$9 + \underline{\quad} = 12$

$7 + \underline{\quad} = 8$

$4 + \underline{\quad} = 15$

$9 + \underline{\quad} = 17$

$6 + \underline{\quad} = 11$

$2 + \underline{\quad} = 6$

$2 + \underline{\quad} = 14$

$9 + \underline{\quad} = 15$

Step 2 - cross out the sentence with each answer:

1. The villain scrambled up climbing trees, then checked a pocket compass.
2. The villain sneaked by cooking hotdogs, then checked a pocket compass.
3. The villain hid while watching birds, then buzzed on a walkie talkie.
4. The villain scrambled up climbing trees, then shined a spy flashlight.
5. The villain ran down the hiking trails, then checked a pocket compass.
6. The villain hid while watching birds, then checked a pocket compass.
7. The villain sneaked by cooking hotdogs, then buzzed on a walkie talkie.
8. The villain sped away paddling canoes, then buzzed on a walkie talkie.
9. The villain sped away paddling canoes, then shined a spy flashlight.
10. The villain ran down the hiking trails, then shined a spy flashlight.
11. The villain ran down the hiking trails, then buzzed on a walkie talkie.
12. The villain sped away paddling canoes, then checked a pocket compass.

Answer Key

The Camp Wildwood Mystery

Culprit: Mia

paddling canoes · spy flashlight · red mud boots · curly brown hair · salty cheese sticks

Trail: Start 21 → Clue 1 18 → Clue 2 8 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE VILLAIN DOES NOT HAVE A ROPE LADDER"

$2 + 7 = 9$ (T) · $4 + 2 = 6$ (I) · $8 + 4 = 12$ (P) · $3 + 4 = 7$ (O) · $12 + 5 = 17$ (V) · $4 + 6 = 10$ (L) · $11 + 8 = 19$ (H) · $5 + 10 = 15$ (A) · $14 + 6 = 20$ (E) · $7 + 6 = 13$ (S) · $3 + 1 = 4$ (D) · $8 + 10 = 18$ (N) · $8 + 3 = 11$ (R)

Clue 2 (Subtraction): "THE SUSPECT LEAVES RED MUD BOOT TRACKS"

$5 - 2 = 3$ (T) · $6 - 2 = 4$ (O) · $17 - 5 = 12$ (R) · $15 - 5 = 10$ (L) · $18 - 1 = 17$ (S) · $6 - 1 = 5$ (V) · $10 - 9 = 1$ (B) · $19 - 5 = 14$ (M) · $18 - 3 = 15$ (P) · $12 - 4 = 8$ (C) · $14 - 7 = 7$ (K) · $18 - 7 = 11$ (D) · $6 - 4 = 2$ (U) · $20 - 1 = 19$ (H) · $16 - 3 = 13$ (E) · $12 - 3 = 9$ (A)

Clue 3 (Skip counting): "THEY STOPPED TO EAT SALTY CHEESE STICKS"

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, __, 45, 50 = 40 (T) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, __, 65, 70 = 60 (Y) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, __, 24, 26 = 22 (A) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, __, 30, 32 = 28 (L) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110 = 90 (I) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, __, 55, 60 = 50 (C) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, __, 22, 24 = 20 (K) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, __, 27, 30 = 24 (D) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, __, 80, 90 = 70 (O) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, __, 130, 140 = 120 (E) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, __, 20, 22 = 18 (S) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, __, 30, 33 = 27 (H) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, __, 60, 65 = 55 (P)

Clue 4 (Place value): "WE FOUND STRANDS OF CURLY BROWN HAIR"

What number has 8 tens and 5 ones? = 85 (W) · What number has 1 ten and 4 ones? = 14 (D) · What number has 2 tens and 1 one? = 21 (Y) · What number has 4 tens and 9 ones? = 49 (I) · What number has 1 ten and 7 ones? = 17 (A) · What number has 6 tens and 7 ones? = 67 (C) · What number has 3 tens and 2 ones? = 32 (B) · What number has 9 tens and 2 ones? = 92 (F) · What number has 5 tens and 3 ones? = 53 (R) · What number has 7 tens and 3 ones? = 73 (E) · What number has 4 tens and 1 one? = 41 (N) · What number has 4 tens and 6 ones? = 46 (U) · What number has 2 tens and 6 ones? = 26 (O) · What number has 9 tens and 1 one? = 91 (S) · What number has 9 tens and 4 ones? = 94 (L) · What number has 7 tens and 8 ones? = 78 (H) · What number has 7 tens and 2 ones? = 72 (T)

Clue 5 (Missing addends): surviving statement is box 9 → Mia

$3 + \underline{\quad} = 13 = 10$ · $5 + \underline{\quad} = 12 = 7$ · $3 + \underline{\quad} = 5 = 2$ · $9 + \underline{\quad} = 12 = 3$ · $7 + \underline{\quad} = 8 = 1$ · $4 + \underline{\quad} = 15 = 11$ · $9 + \underline{\quad} = 17 = 8$ · $6 + \underline{\quad} = 11 = 5$ · $2 + \underline{\quad} = 6 = 4$ · $2 + \underline{\quad} = 14 = 12$ · $9 + \underline{\quad} = 15 = 6$