



The Case of the Map Snatcher

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

Detective: _____ Date: _____

The big treasure map is gone, and so is the Camp Leader! Someone snuck into camp at night and grabbed them both. Now the brave kid explorers must follow the clues and catch the Map Snatcher.

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 Snatcher is _____

Possible suspects

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

NAME	ADVENTURE SKILL	GADGET	EXPLORER TYPE	BANDANA	WEAK SPOT
Aria	River Rafting	Bright Lantern	Girl	Green Bandana	Sneezes at Flowers
Theo	Rock Climbing	Grappling Hook	Girl	Red Bandana	Sneezes at Flowers
Mateo	Rock Climbing	Loud Whistle	Girl	Red Bandana	Ticklish
Finn	Tree Hiding	Loud Whistle	Girl	Red Bandana	Sneezes at Flowers
Zara	Cave Crawling	Loud Whistle	Boy	Red Bandana	Sneezes at Flowers
Mira	Vine Swinging	Loud Whistle	Boy	Red Bandana	Sneezes at Flowers
Otto	Tree Hiding	Smoke Bomb	Girl	Red Bandana	Sneezes at Flowers
Cole	Vine Swinging	Smoke Bomb	Girl	Green Bandana	Scared of Frogs
Max	Vine Swinging	Loud Whistle	Boy	Green Bandana	Ticklish
Nina	Vine Swinging	Grappling Hook	Girl	Green Bandana	Ticklish
Bea	Vine Swinging	Net Trap	Girl	Red Bandana	Scared of Frogs
Diego	River Rafting	Smoke Bomb	Girl	Green Bandana	Scared of Frogs
Rosa	Rock Climbing	Grappling Hook	Girl	Green Bandana	Sneezes at Flowers
Ruby	Cave Crawling	Bright Lantern	Girl	Red Bandana	Sneezes at Flowers
Maya	River Rafting	Smoke Bomb	Boy	Red Bandana	Sneezes at Flowers
Sam	Rock Climbing	Bright Lantern	Boy	Red Bandana	Ticklish
Kai	Tree Hiding	Grappling Hook	Girl	Red Bandana	Sneezes at Flowers
Lily	Vine Swinging	Loud Whistle	Boy	Red Bandana	Scared of Frogs
Jack	Vine Swinging	Bright Lantern	Girl	Blue Bandana	Scared of Frogs
Ella	Vine Swinging	Smoke Bomb	Girl	Red Bandana	Scared of Frogs
Tess	Vine Swinging	Smoke Bomb	Girl	Blue Bandana	Ticklish

CLUE 2

Addition

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

A									A		A							
82	96	26	70	88	55	76	76	76	82	96	82	54	26	60	38	60	89	88
39	51	51																

$41 + 41 = \square \rightarrow \boxed{\text{A}}$

$18 + 21 = \square \rightarrow \boxed{\text{O}}$

$22 + 29 = \square \rightarrow \boxed{\text{F}}$

$19 + 7 = \square \rightarrow \boxed{\text{I}}$

$45 + 25 = \square \rightarrow \boxed{\text{T}}$

$23 + 15 = \square \rightarrow \boxed{\text{L}}$

$28 + 26 = \square \rightarrow \boxed{\text{G}}$

$36 + 19 = \square \rightarrow \boxed{\text{E}}$

$44 + 44 = \square \rightarrow \boxed{\text{N}}$

$51 + 25 = \square \rightarrow \boxed{\text{S}}$

$32 + 57 = \square \rightarrow \boxed{\text{U}}$

$48 + 48 = \square \rightarrow \boxed{\text{W}}$

$24 + 36 = \square \rightarrow \boxed{\text{R}}$

Scratch space:

CLUE 3

Subtraction

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

W		W								W						
12	50	12	54	11	50	63	62	27	52	12	50	34	64	54	80	63
84	86	50	11	45	27	27	54	45	80	64	80	50	50	72	50	63

$32 - 20 = \square \rightarrow \boxed{\text{W}}$

$58 - 24 = \square \rightarrow \boxed{\text{R}}$

$103 - 19 = \square \rightarrow \boxed{\text{T}}$

$114 - 28 = \square \rightarrow \boxed{\text{H}}$

$81 - 29 = \square \rightarrow \boxed{\text{O}}$

$60 - 15 = \square \rightarrow \boxed{\text{I}}$

$80 - 18 = \square \rightarrow \boxed{\text{F}}$

$91 - 28 = \square \rightarrow \boxed{\text{D}}$

$68 - 4 = \square \rightarrow \boxed{\text{S}}$

$31 - 20 = \square \rightarrow \boxed{\text{V}}$

$61 - 34 = \square \rightarrow \boxed{\text{L}}$

$106 - 26 = \square \rightarrow \boxed{\text{N}}$

$84 - 30 = \square \rightarrow \boxed{\text{A}}$

$54 - 4 = \square \rightarrow \boxed{\text{E}}$

$87 - 15 = \square \rightarrow \boxed{\text{Z}}$

Scratch space:

CLUE 4 Skip counting

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

A					A			A		A		A					
36	50	14	20	42	36	6	20	36	6	36	30	36	25	21	14	90	65

42	14	24	130	6	20

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

Skip-count by 5s - fill the blank: 5, 10, 15, __, 25, 30 → **D**

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 5s - fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, __, 55, 60 → **R**

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

Skip-count by 5s - fill the blank: 5, 10, 15, 20, 25, __, 35, 40 → **W**

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

Skip-count by 5s - fill the blank: 5, 10, 15, 20, __, 30, 35 → **S**

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

Skip-count by 3s - fill the blank: 3, 6, 9, 12, 15, 18, __, 24, 27 → **L**

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

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

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

Scratch space:

CLUE 5**Missing addends - the last 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:

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

$4 + \underline{\quad} = 5$

$4 + \underline{\quad} = 9$

$5 + \underline{\quad} = 16$

$7 + \underline{\quad} = 14$

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

$1 + \underline{\quad} = 3$

$2 + \underline{\quad} = 8$

$4 + \underline{\quad} = 13$

$10 + \underline{\quad} = 20$

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

Step 2 - cross out the sentence with each answer:

1. The villain sneaks through the caves, then shines a bright lantern.
2. The villain floats up the river, then throws a grappling hook.
3. The villain hides up in the trees, then drops a smoke bomb.
4. The villain hides up in the trees, then throws a grappling hook.
5. The villain climbs down the rocks, then throws a grappling hook.
6. The villain swings in on a vine, then sets a net trap.
7. The villain floats up the river, then shines a bright lantern.
8. The villain swings in on a vine, then shines a bright lantern.
9. The villain sneaks through the caves, then blows a loud whistle.
10. The villain sneaks through the caves, then drops a smoke bomb.
11. The villain hides up in the trees, then sets a net trap.
12. The villain sneaks through the caves, then sets a net trap.

Answer Key

The Case of the Map Snatcher

Culprit: Kai

Tree Hiding · Grappling Hook · Girl · Red Bandana · Sneezes at Flowers

Trail: Start 21 → Clue 1 15 → Clue 2 13 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Place value (tens & ones)): "THE VILLAIN CANNOT BLOW A WHISTLE"

What number has 6 tens and 3 ones? = 63 (T) · What number has 9 tens and 9 ones? = 99 (S) · What number has 2 tens and 7 ones? = 27 (H) · What number has 9 tens and 4 ones? = 94 (O) · What number has 9 tens and 0 ones? = 90 (W) · What number has 8 tens and 3 ones? = 83 (L) · What number has 3 tens and 1 one? = 31 (A) · What number has 8 tens and 4 ones? = 84 (B) · What number has 2 tens and 2 ones? = 22 (E) · What number has 1 ten and 6 ones? = 16 (I) · What number has 5 tens and 6 ones? = 56 (N) · What number has 6 tens and 7 ones? = 67 (C) · What number has 2 tens and 6 ones? = 26 (V)

Clue 2 (Addition): "A WITNESS SAW A GIRL RUN OFF"

$41 + 41 = 82$ (A) · $18 + 21 = 39$ (O) · $22 + 29 = 51$ (F) · $19 + 7 = 26$ (I) · $45 + 25 = 70$ (T) · $23 + 15 = 38$ (L) · $28 + 26 = 54$ (G) · $36 + 19 = 55$ (E) · $44 + 44 = 88$ (N) · $51 + 25 = 76$ (S) · $32 + 57 = 89$ (U) · $48 + 48 = 96$ (W) · $24 + 36 = 60$ (R)

Clue 3 (Subtraction): "WE WAVED FLOWERS AND THE VILLAIN SNEEZED"

$32 - 20 = 12$ (W) · $58 - 24 = 34$ (R) · $103 - 19 = 84$ (T) · $114 - 28 = 86$ (H) · $81 - 29 = 52$ (O) · $60 - 15 = 45$ (I) · $80 - 18 = 62$ (F) · $91 - 28 = 63$ (D) · $68 - 4 = 64$ (S) · $31 - 20 = 11$ (V) · $61 - 34 = 27$ (L) · $106 - 26 = 80$ (N) · $84 - 30 = 54$ (A) · $54 - 4 = 50$ (E) · $87 - 15 = 72$ (Z)

Clue 4 (Skip counting): "A RED BANDANA WAS LEFT BEHIND"

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

Clue 5 (Missing addends): surviving statement is box 4 → Kai

$3 + \underline{\quad} = 6 = 3$ · $4 + \underline{\quad} = 5 = 1$ · $4 + \underline{\quad} = 9 = 5$ · $5 + \underline{\quad} = 16 = 11$ · $7 + \underline{\quad} = 14 = 7$ · $5 + \underline{\quad} = 17 = 12$ · $1 + \underline{\quad} = 3 = 2$ · $2 + \underline{\quad} = 8 = 6$ · $4 + \underline{\quad} = 13 = 9$ · $10 + \underline{\quad} = 20 = 10$ · $3 + \underline{\quad} = 11 = 8$