



Case of the Jungle Map Snatcher

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

Detective: _____ Date: _____

Someone grabbed the Camp Leader right out of her tent at Camp Greenleaf. The Snatcher also took the big treasure map! Now it is up to you to read the clues and find 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	JUNGLE SKILL	TRAIL TOOL	EXPLORER TYPE	HAIR COLOR	WEAK SPOT
Zoe	swings on long ropes	shovel	girl explorer	red hair	scared of bees
Jack	sneaks past snakes	net	girl explorer	black hair	scared of bees
Leo	sneaks past snakes	shovel	boy explorer	red hair	scared of frogs
Ava	climbs tall vines	shovel	girl explorer	black hair	scared of bees
Ben	sneaks past snakes	lantern	boy explorer	brown hair	scared of bees
Ella	climbs tall vines	rope	girl explorer	red hair	scared of frogs
Mia	swims fast rivers	lantern	girl explorer	red hair	scared of frogs
Theo	swings on long ropes	compass	girl explorer	black hair	scared of bats
Lily	climbs tall vines	net	boy explorer	red hair	scared of frogs
Iris	climbs tall vines	compass	girl explorer	red hair	scared of frogs
Ruby	swings on long ropes	shovel	girl explorer	red hair	scared of frogs
Nora	runs through mud	net	girl explorer	brown hair	scared of frogs
Rosa	sneaks past snakes	net	girl explorer	brown hair	scared of bats
June	sneaks past snakes	net	girl explorer	red hair	scared of bees
Finn	swings on long ropes	net	girl explorer	brown hair	scared of bats
Hugo	sneaks past snakes	compass	boy explorer	black hair	scared of bees
Milo	climbs tall vines	shovel	boy explorer	brown hair	scared of frogs
Tess	climbs tall vines	shovel	girl explorer	black hair	scared of frogs
Kai	swims fast rivers	rope	boy explorer	brown hair	scared of frogs
Pia	sneaks past snakes	compass	girl explorer	red hair	scared of frogs
Cole	swings on long ropes	rope	girl explorer	black hair	scared of bees

CLUE 1
Place value (tens & ones)

We found a torn map with a big number on it. Read the tens and the ones to learn what tool the thief left behind.

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

T			T										T				
70	19	12	70	19	39	12	85	83	76	24	24	74	70	16	88	12	76

			T			
46	76	24	70	12	57	24

What number has 7 tens and 0 ones?

 → **T**

What number has 1 ten and 9 ones?

 → **H**

What number has 7 tens and 6 ones?

 → **A**

What number has 1 ten and 2 ones?

 → **E**

What number has 3 tens and 9 ones?

 → **I**

What number has 2 tens and 4 ones?

 → **N**

What number has 1 ten and 6 ones?

 → **U**

What number has 7 tens and 4 ones?

 → **O**

What number has 8 tens and 8 ones?

 → **S**

What number has 5 tens and 7 ones?

 → **R**

What number has 4 tens and 6 ones?

 → **L**

What number has 8 tens and 3 ones?

 → **C**

What number has 8 tens and 5 ones?

 → **F**

Scratch space:

CLUE 2

Addition

Muddy footprints lead all the way to camp. Add up the prints to see which way the thief went.

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

A																			
81	43	34	95	91	35	55	30	91	41	95	35	95	95	81	62				

34	62	63	41	63	77	35	63	95	35	35	72

$25 + 56 = \square \rightarrow \boxed{\text{A}}$

$66 + 29 = \square \rightarrow \boxed{\text{R}}$

$25 + 30 = \square \rightarrow \boxed{\text{X}}$

$13 + 30 = \square \rightarrow \boxed{\text{G}}$

$47 + 44 = \square \rightarrow \boxed{\text{L}}$

$32 + 30 = \square \rightarrow \boxed{\text{N}}$

$51 + 21 = \square \rightarrow \boxed{\text{S}}$

$45 + 32 = \square \rightarrow \boxed{\text{H}}$

$20 + 10 = \square \rightarrow \boxed{\text{P}}$

$32 + 31 = \square \rightarrow \boxed{\text{T}}$

$24 + 17 = \square \rightarrow \boxed{\text{O}}$

$14 + 21 = \square \rightarrow \boxed{\text{E}}$

$21 + 13 = \square \rightarrow \boxed{\text{I}}$

Scratch space:

CLUE 3

Subtraction

Some snacks are gone from the bag. Take away what is left to find how many the thief grabbed.

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

W																	
19	58	82	62	12	89	58	24	63	78	73	83	83	19	63	78	43	12

83	89	73	81

$21 - 2 = \square \rightarrow \boxed{\text{W}}$

$47 - 23 = \square \rightarrow \boxed{\text{D}}$

$71 - 9 = \square \rightarrow \boxed{\text{C}}$

$82 - 9 = \square \rightarrow \boxed{\text{O}}$

$110 - 32 = \square \rightarrow \boxed{\text{T}}$

$93 - 35 = \square \rightarrow \boxed{\text{E}}$

$98 - 35 = \square \rightarrow \boxed{\text{I}}$

$81 - 38 = \square \rightarrow \boxed{\text{H}}$

$34 - 22 = \square \rightarrow \boxed{\text{A}}$

$91 - 2 = \square \rightarrow \boxed{\text{R}}$

$120 - 37 = \square \rightarrow \boxed{\text{F}}$

$93 - 12 = \square \rightarrow \boxed{\text{G}}$

$97 - 15 = \square \rightarrow \boxed{\text{S}}$

Scratch space:

CLUE 4 Skip counting

Bright beads dropped in a row by twos. Skip count them to spot the thief's trail.

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

A					A				A						
140	40	14	24	8	140	15	40	50	140	60	110	14	22	42	90 12
42	8	14	42	14	12	42									

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, __, 150, 160 → **A**

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

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

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, 70, 80, 90, 100, __, 120, 130 → **L**

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

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, __, 60, 70 → **W**

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

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

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

Skip-count by 5s. Fill the blank: 5, 10, __, 20, 25 → **I**

Skip-count by 3s. Fill the blank: 3, 6, 9, __, 15, 18 → **N**

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

Scratch space:

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

The thief needs one more number to open the gate. Find the missing part to lock them out.

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:

$2 + \underline{\quad} = 3$

$3 + \underline{\quad} = 8$

$4 + \underline{\quad} = 7$

$5 + \underline{\quad} = 11$

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

$7 + \underline{\quad} = 19$

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

$6 + \underline{\quad} = 13$

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

$1 + \underline{\quad} = 12$

$2 + \underline{\quad} = 4$

Step 2 - cross out the sentence with each answer:

1. The villain swings on the long ropes, then digs with the shovel.
2. The villain swings on the long ropes, then throws the rope.
3. The villain sneaks past the snakes, then spins the compass.
4. The villain climbs the tall vines, then spins the compass.
5. The villain climbs the tall vines, then throws the rope.
6. The villain swims the fast river, then throws the rope.
7. The villain climbs the tall vines, then swings the lantern.
8. The villain swings on the long ropes, then tosses the net.
9. The villain sneaks past the snakes, then throws the rope.
10. The villain sneaks past the snakes, then digs with the shovel.
11. The villain climbs the tall vines, then digs with the shovel.
12. The villain climbs the tall vines, then tosses the net.

Answer Key

Case of the Jungle Map Snatcher

Culprit: Iris

climbs tall vines · compass · girl explorer · red hair · scared of frogs

Trail: Start 21 → Clue 1 19 → Clue 2 14 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Place value (tens & ones)): "THE THIEF CANNOT USE A LANTERN"

What number has 7 tens and 0 ones? = 70 (T) · What number has 1 ten and 9 ones? = 19 (H) · What number has 7 tens and 6 ones? = 76 (A) · What number has 1 ten and 2 ones? = 12 (E) · What number has 3 tens and 9 ones? = 39 (I) · What number has 2 tens and 4 ones? = 24 (N) · What number has 1 ten and 6 ones? = 16 (U) · What number has 7 tens and 4 ones? = 74 (O) · What number has 8 tens and 8 ones? = 88 (S) · What number has 5 tens and 7 ones? = 57 (R) · What number has 4 tens and 6 ones? = 46 (L) · What number has 8 tens and 3 ones? = 83 (C) · What number has 8 tens and 5 ones? = 85 (F)

Clue 2 (Addition): "A GIRL EXPLORER RAN INTO THE TREES"

$25 + 56 = 81$ (A) · $66 + 29 = 95$ (R) · $25 + 30 = 55$ (X) · $13 + 30 = 43$ (G) · $47 + 44 = 91$ (L) · $32 + 30 = 62$ (N) · $51 + 21 = 72$ (S) · $45 + 32 = 77$ (H) · $20 + 10 = 30$ (P) · $32 + 31 = 63$ (T) · $24 + 17 = 41$ (O) · $14 + 21 = 35$ (E) · $21 + 13 = 34$ (I)

Clue 3 (Subtraction): "WE SCARED IT OFF WITH A FROG"

$21 - 2 = 19$ (W) · $47 - 23 = 24$ (D) · $71 - 9 = 62$ (C) · $82 - 9 = 73$ (O) · $110 - 32 = 78$ (T) · $93 - 35 = 58$ (E) · $98 - 35 = 63$ (I) · $81 - 38 = 43$ (H) · $34 - 22 = 12$ (A) · $91 - 2 = 89$ (R) · $120 - 37 = 83$ (F) · $93 - 12 = 81$ (G) · $97 - 15 = 82$ (S)

Clue 4 (Skip counting): "A RED HAIR WAS LEFT ON THE TENT"

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, __, 150, 160 = 140 (A) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, __, 45, 48 = 42 (T) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, __, 24, 26 = 22 (F) · 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, 70, 80, 90, 100, __, 120, 130 = 110 (L) · Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 = 8 (H) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, __, 60, 70 = 50 (W) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, __, 65, 70 = 60 (S) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, __, 16, 18 = 14 (E) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110 = 90 (O) · Skip-count by 5s. Fill the blank: 5, 10, __, 20, 25 = 15 (I) · Skip-count by 3s. Fill the blank: 3, 6, 9, __, 15, 18 = 12 (N) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, __, 45, 50 = 40 (R)

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

$2 + \underline{\quad} = 3 = 1$ · $3 + \underline{\quad} = 8 = 5$ · $4 + \underline{\quad} = 7 = 3$ · $5 + \underline{\quad} = 11 = 6$ · $1 + \underline{\quad} = 9 = 8$ · $7 + \underline{\quad} = 19 = 12$ · $4 + \underline{\quad} = 14 = 10$ · $6 + \underline{\quad} = 13 = 7$ · $6 + \underline{\quad} = 15 = 9$ · $1 + \underline{\quad} = 12 = 11$ · $2 + \underline{\quad} = 4 = 2$