

The Lost Jungle Map

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

Detective: _____ Date: _____

Oh no! Someone took the Golden Banana from the Jungle Treehouse. The Map Club needs your help. Let us find the explorer who took it!

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 mischievous explorer is _____

Possible suspects

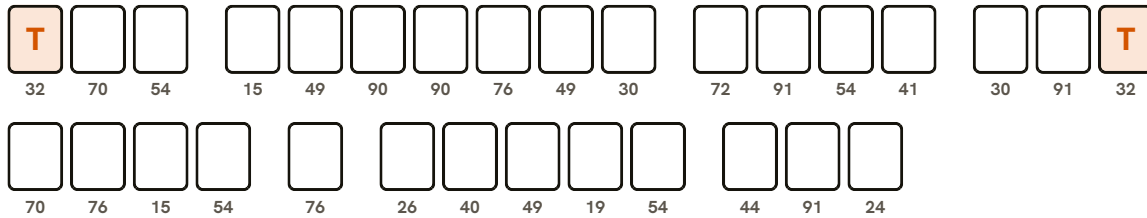
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	ADVENTURE GEAR	TRAIL SNACK	WRITING HAND	CAP COLOR	JUNGLE FEAR
Tim	secret map	juice box	left-handed writer	red cap	fear of spiders
Pam	shiny compass	sweet apple	left-handed writer	blue cap	fear of frogs
Sam	shiny compass	fruit snacks	right-handed writer	red cap	fear of mud
Dan	mini binoculars	sweet apple	right-handed writer	green cap	fear of frogs
Roy	secret map	granola bar	right-handed writer	blue cap	fear of spiders
Mia	bright flashlight	juice box	right-handed writer	green cap	fear of spiders
Jax	shiny compass	juice box	right-handed writer	blue cap	fear of spiders
Amy	mini binoculars	granola bar	left-handed writer	blue cap	fear of mud
Eli	mini binoculars	salty crackers	left-handed writer	green cap	fear of spiders
Ben	bright flashlight	sweet apple	right-handed writer	green cap	fear of spiders
Ada	shiny compass	sweet apple	right-handed writer	green cap	fear of spiders
Kay	bright flashlight	juice box	right-handed writer	blue cap	fear of frogs
Ned	bright flashlight	sweet apple	right-handed writer	green cap	fear of mud
Joy	grappling hook	fruit snacks	right-handed writer	red cap	fear of spiders
Bob	shiny compass	fruit snacks	right-handed writer	green cap	fear of spiders
Tom	grappling hook	salty crackers	right-handed writer	green cap	fear of spiders
Ted	mini binoculars	juice box	right-handed writer	blue cap	fear of spiders
Eve	bright flashlight	salty crackers	right-handed writer	green cap	fear of mud
Max	mini binoculars	juice box	right-handed writer	red cap	fear of spiders
Ivy	bright flashlight	sweet apple	left-handed writer	blue cap	fear of frogs
Rex	shiny compass	granola bar	right-handed writer	blue cap	fear of mud

CLUE 1 Place value

We found a secret code on the wall. Let us look at the tens and ones blocks to read the number.

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



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

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

What number has 4 tens and 4 ones? → **B**

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

What number has 1 ten and 5 ones? → **V**

What number has 3 tens and 0 ones? → **N**

What number has 2 tens and 4 ones? → **X**

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

What number has 4 tens and 0 ones? → **U**

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

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

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

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

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

What number has 1 ten and 9 ones? → **C**

What number has 7 tens and 0 ones? → **H**

Scratch space:

CLUE 2 Addition

We need to count all the lost gear. We add the old gear and the new gear together.

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

The diagram shows two rows of people. The front row has 10 people, and the back row has 15 people. The 25th person in the back row is highlighted with a 'T'.

25	49	41	74	83	22	22	81	83	93	98	78	83	25	41	75	98	83	25	49
25	49	41	78	83	36	49	25	49	81	93	54								

$9 + 16 = \boxed{} \rightarrow \boxed{\text{T}}$

$47 + 46 = \boxed{} \rightarrow \boxed{\text{N}}$

$15 + 21 = \boxed{} \rightarrow \boxed{\mathbf{G}}$

$38 + 16 = \boxed{} \rightarrow \boxed{\text{D}}$

$41 + 42 = \boxed{} \rightarrow \boxed{1}$

$$47 + 27 = \boxed{} \rightarrow \boxed{\mathbf{V}}$$

$22 + 27 = \boxed{} \rightarrow \boxed{\text{H}}$

$22 + 53 = \boxed{} \rightarrow \boxed{\text{S}}$

$33 + 48 = \boxed{} \rightarrow \boxed{\text{A}}$

$34 + 44 = \boxed{} \rightarrow \boxed{\text{R}}$

$$16 + 6 = \boxed{} \rightarrow \boxed{\text{L}}$$

$39 + 59 = \boxed{} \rightarrow \boxed{\text{W}}$

$26 + 15 = \boxed{} \rightarrow \boxed{\text{E}}$

Scratch space:

CLUE 3

Subtraction

The explorer dropped some map pieces. We subtract the ones that got wet to find the rest.

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

T																	
35	59	58	57	38	54	54	74	38	42	38	20	20	66	74	84	58	78

83	79	20	22	38	78	58	84	20

$46 - 11 = \square \rightarrow \boxed{\text{T}}$

$81 - 15 = \square \rightarrow \boxed{\text{C}}$

$86 - 32 = \square \rightarrow \boxed{\text{L}}$

$62 - 40 = \square \rightarrow \boxed{\text{P}}$

$97 - 18 = \square \rightarrow \boxed{\text{F}}$

$63 - 25 = \square \rightarrow \boxed{\text{I}}$

$51 - 9 = \square \rightarrow \boxed{\text{N}}$

$119 - 35 = \square \rightarrow \boxed{\text{R}}$

$58 - 38 = \square \rightarrow \boxed{\text{S}}$

$89 - 30 = \square \rightarrow \boxed{\text{H}}$

$85 - 7 = \square \rightarrow \boxed{\text{D}}$

$105 - 22 = \square \rightarrow \boxed{\text{O}}$

$66 - 8 = \square \rightarrow \boxed{\text{E}}$

$96 - 22 = \square \rightarrow \boxed{\text{A}}$

$63 - 6 = \square \rightarrow \boxed{\text{V}}$

Scratch space:

CLUE 4 Skip counting

We follow the footprints down the trail. We skip count by fives to see how far they go.

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

W																	
36	6	16	140	35	20	15	8	33	18	6	6	20	25	8	80	110	20

24	130	6	15	110	18	24

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

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, __, 90, 100 → **P**

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

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

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

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

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

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

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

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

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

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

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

Skip-count by 5s. Fill the blank: 5, 10, 15, __, 25, 30 → **N**

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

Scratch space:

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

The lock needs seven keys to open. We have some keys but need to find how many more we need.

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:

$9 + \underline{\quad} = 21$

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

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

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

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

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

$6 + \underline{\quad} = 17$

$1 + \underline{\quad} = 10$

$5 + \underline{\quad} = 15$

$7 + \underline{\quad} = 9$

$8 + \underline{\quad} = 12$

Step 2 - cross out the sentence with each answer:

1. The villain checks the shiny compass, then shares a granola bar.
2. The villain looks through the mini binoculars, then chews on fruit snacks.
3. The villain checks the shiny compass, then chews on fruit snacks.
4. The villain shines the bright flashlight, then shares a granola bar.
5. The villain checks the shiny compass, then sips a juice box.
6. The villain shines the bright flashlight, then eats a sweet apple.
7. The villain looks through the mini binoculars, then munches on salty crackers.
8. The villain checks the shiny compass, then eats a sweet apple.
9. The villain looks through the mini binoculars, then shares a granola bar.
10. The villain shines the bright flashlight, then munches on salty crackers.
11. The villain uses the grappling hook, then sips a juice box.
12. The villain uses the grappling hook, then munches on salty crackers.

Answer Key

The Lost Jungle Map

Culprit: Bob

shiny compass · fruit snacks · right-handed writer · green cap · fear of spiders

Trail: Start 21 → Clue 1 15 → Clue 2 11 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE VILLAIN DOES NOT HAVE A JUICE BOX"

What number has 3 tens and 2 ones? = 32 (T) · What number has 2 tens and 6 ones? = 26 (J) · What number has 4 tens and 4 ones? = 44 (B) · What number has 5 tens and 4 ones? = 54 (E) · What number has 1 ten and 5 ones? = 15 (V) · What number has 3 tens and 0 ones? = 30 (N) · What number has 2 tens and 4 ones? = 24 (X) · What number has 4 tens and 9 ones? = 49 (I) · What number has 4 tens and 0 ones? = 40 (U) · What number has 9 tens and 1 one? = 91 (O) · What number has 4 tens and 1 one? = 41 (S) · What number has 9 tens and 0 ones? = 90 (L) · What number has 7 tens and 6 ones? = 76 (A) · What number has 7 tens and 2 ones? = 72 (D) · What number has 1 ten and 9 ones? = 19 (C) · What number has 7 tens and 0 ones? = 70 (H)

Clue 2 (Addition): "THE VILLAIN WRITES WITH THE RIGHT HAND"

$9 + 16 = 25$ (T) · $47 + 46 = 93$ (N) · $15 + 21 = 36$ (G) · $38 + 16 = 54$ (D) · $41 + 42 = 83$ (I) · $47 + 27 = 74$ (V) · $22 + 27 = 49$ (H) · $22 + 53 = 75$ (S) · $33 + 48 = 81$ (A) · $34 + 44 = 78$ (R) · $16 + 6 = 22$ (L) · $39 + 59 = 98$ (W) · $26 + 15 = 41$ (E)

Clue 3 (Subtraction): "THE VILLAIN IS SCARED OF SPIDERS"

$46 - 11 = 35$ (T) · $81 - 15 = 66$ (C) · $86 - 32 = 54$ (L) · $62 - 40 = 22$ (P) · $97 - 18 = 79$ (F) · $63 - 25 = 38$ (I) · $51 - 9 = 42$ (N) · $119 - 35 = 84$ (R) · $58 - 38 = 20$ (S) · $89 - 30 = 59$ (H) · $85 - 7 = 78$ (D) · $105 - 22 = 83$ (O) · $66 - 8 = 58$ (E) · $96 - 22 = 74$ (A) · $63 - 6 = 57$ (V)

Clue 4 (Skip counting): "WE FOUND A GREEN CAP IN THE DIRT"

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

Clue 5 (Missing addends): surviving statement is box 3 → Bob

$9 + \underline{\quad} = 21 = 12$ · $3 + \underline{\quad} = 11 = 8$ · $4 + \underline{\quad} = 10 = 6$ · $3 + \underline{\quad} = 8 = 5$ · $2 + \underline{\quad} = 3 = 1$ · $7 + \underline{\quad} = 14 = 7$ · $6 + \underline{\quad} = 17 = 11$ · $1 + \underline{\quad} = 10 = 9$ · $5 + \underline{\quad} = 15 = 10$ · $7 + \underline{\quad} = 9 = 2$ · $8 + \underline{\quad} = 12 = 4$