



# The Case of the Missing Treasure Map

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

Detective: \_\_\_\_\_ Date: \_\_\_\_\_

The big treasure map is gone! Someone grabbed the Map Keeper and ran deep into the jungle. Can you find the Map Thief before the sun goes down?

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 Thief is** \_\_\_\_\_

## Possible suspects

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

NAME	WAY TO TRAVEL	TRUSTY TOOL	WITNESS SAW	HEADGEAR	WEAK SPOT
Nina	paddles a canoe	throws a lasso	a girl	a brown hat	afraid of spiders
Ava	rides a camel	reads a compass	a girl	a green cap	very ticklish
Tom	climbs the cliffs	throws a lasso	a boy	a brown hat	afraid of spiders
Lily	swings on vines	blows a horn	a girl	a brown hat	afraid of spiders
Mia	climbs the cliffs	blows a horn	a boy	a brown hat	afraid of spiders
Jake	rides a camel	blows a horn	a girl	a green cap	very ticklish
Owen	paddles a canoe	lights a torch	a boy	a green cap	afraid of spiders
Maya	swings on vines	throws a lasso	a girl	a green cap	afraid of spiders
Cole	rides a camel	reads a compass	a girl	a brown hat	afraid of spiders
Leo	rides a camel	lights a torch	a girl	a brown hat	scared of thunder
Drew	sails a raft	digs with a shovel	a boy	a red bandana	scared of thunder
Ella	climbs the cliffs	lights a torch	a boy	a red bandana	scared of thunder
Pia	paddles a canoe	reads a compass	a girl	a brown hat	scared of thunder
Sam	paddles a canoe	reads a compass	a boy	a red bandana	scared of thunder
Jack	paddles a canoe	reads a compass	a boy	a red bandana	very ticklish
Theo	swings on vines	blows a horn	a girl	a green cap	scared of thunder
Max	sails a raft	digs with a shovel	a girl	a brown hat	afraid of spiders
Zoe	climbs the cliffs	throws a lasso	a girl	a red bandana	very ticklish
Finn	paddles a canoe	blows a horn	a girl	a green cap	scared of thunder
Ben	paddles a canoe	blows a horn	a girl	a brown hat	afraid of spiders
Rosa	swings on vines	throws a lasso	a boy	a red bandana	afraid of spiders



**CLUE 2** Addition

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

<input type="text" value="A"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="A"/>	<input type="text"/>	<input type="text" value="A"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
56	22	27	65	46	95	32	32	32	56	22	56	59	27	66	43	66	92	46	
<input type="text"/>	<input type="text"/>	<input type="text"/>																	
33	76	76																	

$29 + 27 =$	<input type="text"/>	<input type="text" value="A"/>	$9 + 13 =$	<input type="text"/>	<input type="text" value="W"/>	$8 + 19 =$	<input type="text"/>	<input type="text" value="I"/>
$31 + 34 =$	<input type="text"/>	<input type="text" value="T"/>	$24 + 22 =$	<input type="text"/>	<input type="text" value="N"/>	$63 + 32 =$	<input type="text"/>	<input type="text" value="E"/>
$22 + 10 =$	<input type="text"/>	<input type="text" value="S"/>	$34 + 25 =$	<input type="text"/>	<input type="text" value="G"/>	$32 + 34 =$	<input type="text"/>	<input type="text" value="R"/>
$14 + 29 =$	<input type="text"/>	<input type="text" value="L"/>	$41 + 51 =$	<input type="text"/>	<input type="text" value="U"/>	$14 + 19 =$	<input type="text"/>	<input type="text" value="O"/>
$50 + 26 =$	<input type="text"/>	<input type="text" value="F"/>						

Scratch space:

**CLUE 3** Subtraction

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

<b>W</b>															
71	19	32	83	84	13	19	39	66	75	19	66	75	65	19	29

<b>W</b>										
71	65	66	75	84	32	57	65	39	19	13

$77 - 6 =$	<input type="text"/>	<b>W</b>	$53 - 34 =$	<input type="text"/>	<b>E</b>	$39 - 7 =$	<input type="text"/>	<b>S</b>
$116 - 33 =$	<input type="text"/>	<b>C</b>	$94 - 10 =$	<input type="text"/>	<b>A</b>	$39 - 26 =$	<input type="text"/>	<b>R</b>
$79 - 40 =$	<input type="text"/>	<b>D</b>	$103 - 37 =$	<input type="text"/>	<b>T</b>	$102 - 27 =$	<input type="text"/>	<b>H</b>
$91 - 26 =$	<input type="text"/>	<b>I</b>	$63 - 34 =$	<input type="text"/>	<b>F</b>	$65 - 8 =$	<input type="text"/>	<b>P</b>

Scratch space:

**CLUE 4**

**Skip counting**

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

<input type="text" value="A"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="A"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="A"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
26	65	27	140	30	20	130	26	100	30	26	14	70	36	25	100	65	22	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
100	130	36	100	36	20	100												

Skip-count by 2s - fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, \_\_,

**A**

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

**B**

Skip-count by 3s - fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, \_\_, 30, 33

**R**

Skip-count by 10s - fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, \_\_, 150, 160

**O**

Skip-count by 5s - fill the blank: 5, 10, 15, 20, 25, \_\_, 35, 40

**W**

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, \_\_, 140, 150

**H**

Skip-count by 10s - fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, \_\_, 110, 120

**T**

Skip-count by 2s - fill the blank: 2, 4, 6, 8, 10, 12, \_\_, 16, 18

**S**

Skip-count by 5s - fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, \_\_, 75, 80

**L**

Skip-count by 3s - fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, \_\_, 39, 42

**E**

Skip-count by 5s - fill the blank: 5, 10, 15, 20, \_\_, 30, 35

**F**

Skip-count by 2s - fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, \_\_, 24, 26

**Y**

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:**

$6 + \underline{\quad} = 12$

$2 + \underline{\quad} = 10$

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

$1 + \underline{\quad} = 13$

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

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

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

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

$1 + \underline{\quad} = 8$

$2 + \underline{\quad} = 12$

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

**Step 2 - cross out the sentence with each answer:**

1. The villain swings in on a vine, then checks the compass.
2. The villain paddles up in a canoe, then blows a loud horn.
3. The villain floats in on a raft, then lights a torch to see.
4. The villain swings in on a vine, then digs with a shovel.
5. The villain floats in on a raft, then throws a lasso.
6. The villain floats in on a raft, then digs with a shovel.
7. The villain floats in on a raft, then blows a loud horn.
8. The villain swings in on a vine, then blows a loud horn.
9. The villain climbs down the cliff, then throws a lasso.
10. The villain rides up on a camel, then throws a lasso.
11. The villain paddles up in a canoe, then throws a lasso.
12. The villain paddles up in a canoe, then checks the compass.

# Answer Key

## The Case of the Missing Treasure Map

### Culprit: Nina

paddles a canoe · throws a lasso · a girl · a brown hat · afraid of spiders

Trail: Start 21 → Clue 1 16 → Clue 2 10 → Clue 3 5 → Clue 4 4 → Clue 5 1

### Clue 1 (Place value (tens & ones)): "THE VILLAIN CANNOT READ A COMPASS"

What number has 1 ten and 2 ones? = 12 (T) · What number has 7 tens and 0 ones? = 70 (H) · What number has 8 tens and 9 ones? = 89 (E) · What number has 8 tens and 8 ones? = 88 (V) · What number has 1 ten and 1 one? = 11 (I) · What number has 6 tens and 2 ones? = 62 (L) · What number has 1 ten and 4 ones? = 14 (A) · What number has 4 tens and 9 ones? = 49 (N) · What number has 5 tens and 6 ones? = 56 (C) · What number has 7 tens and 4 ones? = 74 (O) · What number has 1 ten and 3 ones? = 13 (R) · What number has 6 tens and 4 ones? = 64 (D) · What number has 9 tens and 6 ones? = 96 (M) · What number has 4 tens and 5 ones? = 45 (P) · What number has 7 tens and 7 ones? = 77 (S)

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

$29 + 27 = 56$  (A) ·  $9 + 13 = 22$  (W) ·  $8 + 19 = 27$  (I) ·  $31 + 34 = 65$  (T) ·  $24 + 22 = 46$  (N) ·  $63 + 32 = 95$  (E) ·  $22 + 10 = 32$  (S) ·  $34 + 25 = 59$  (G) ·  $32 + 34 = 66$  (R) ·  $14 + 29 = 43$  (L) ·  $41 + 51 = 92$  (U) ·  $14 + 19 = 33$  (O) ·  $50 + 26 = 76$  (F)

### Clue 3 (Subtraction): "WE SCARED THE THIEF WITH A SPIDER"

$77 - 6 = 71$  (W) ·  $53 - 34 = 19$  (E) ·  $39 - 7 = 32$  (S) ·  $116 - 33 = 83$  (C) ·  $94 - 10 = 84$  (A) ·  $39 - 26 = 13$  (R) ·  $79 - 40 = 39$  (D) ·  $103 - 37 = 66$  (T) ·  $102 - 27 = 75$  (H) ·  $91 - 26 = 65$  (I) ·  $63 - 34 = 29$  (F) ·  $65 - 8 = 57$  (P)

### Clue 4 (Skip counting): "A BROWN HAT WAS LEFT BY THE TENT"

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 5s - fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, \_\_, 70, 75 = 65 (B) · Skip-count by 3s - fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, \_\_, 30, 33 = 27 (R) · Skip-count by 10s - fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, \_\_, 150, 160 = 140 (O) · Skip-count by 5s - fill the blank: 5, 10, 15, 20, 25, \_\_, 35, 40 = 30 (W) · 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, \_\_, 140, 150 = 130 (H) · Skip-count by 10s - fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, \_\_, 110, 120 = 100 (T) · Skip-count by 2s - fill the blank: 2, 4, 6, 8, 10, 12, \_\_, 16, 18 = 14 (S) · Skip-count by 5s - fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, \_\_, 75, 80 = 70 (L) · Skip-count by 3s - fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, \_\_, 39, 42 = 36 (E) · Skip-count by 5s - fill the blank: 5, 10, 15, 20, \_\_, 30, 35 = 25 (F) · Skip-count by 2s - fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, \_\_, 24, 26 = 22 (Y)

### Clue 5 (Missing addends): surviving statement is box 11 → Nina

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