



The Great Jungle Treehouse Mystery

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

Detective: _____ **Date:** _____

The golden banana is gone from the treehouse temple! The Monkey King is very sad. We must follow the clues in the jungle and find the sneaky bandit.

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 bandit is _____

Possible suspects

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

NAME	JUNGLE TOOL	JUNGLE GEAR	WRITING HAND	HEADWEAR	BEST TRAP
Mia	pocket compass	safari hat	left handed	blue helmet	bright flashlights
Max	magnifying glass	canvas backpack	left handed	green cap	shiny stickers
Rex	climbing rope	yellow poncho	right handed	red bandana	bright flashlights
Ben	night goggles	yellow poncho	left handed	green cap	banana peels
Amy	night goggles	safari hat	left handed	blue helmet	banana peels
Ned	magnifying glass	muddy boots	left handed	green cap	banana peels
Kip	climbing rope	safari hat	left handed	green cap	bright flashlights
Joy	pocket compass	camo jacket	right handed	green cap	bright flashlights
Ava	pocket compass	canvas backpack	right handed	green cap	bright flashlights
Tom	magnifying glass	safari hat	left handed	green cap	bright flashlights
Dan	night goggles	yellow poncho	left handed	red bandana	bright flashlights
Fin	magnifying glass	yellow poncho	left handed	red bandana	bright flashlights
Leo	magnifying glass	canvas backpack	left handed	green cap	banana peels
Zoe	magnifying glass	safari hat	left handed	blue helmet	banana peels
Gus	magnifying glass	camo jacket	right handed	blue helmet	bright flashlights
Ivy	magnifying glass	muddy boots	left handed	red bandana	banana peels
Pam	pocket compass	yellow poncho	left handed	red bandana	bright flashlights
Eva	magnifying glass	safari hat	left handed	blue helmet	bright flashlights
Jax	magnifying glass	camo jacket	left handed	red bandana	bright flashlights
Sam	climbing rope	muddy boots	right handed	red bandana	shiny stickers
Fay	magnifying glass	canvas backpack	left handed	red bandana	bright flashlights

CLUE 1 Skip counting

We find footprints on the trail. Let us count them by twos to see how far the bandit ran.

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

T									T										T
42	140	33	65	15	28	120	40	42	120	90	33	50	28	90	42				
35	33	15	9	15	55	15	100	90	36	15	55	30	33	42					

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 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, __, 39, 42 → **J**

Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 → **R**

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

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

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

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

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

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

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

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

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

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

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

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

Scratch space:

CLUE 2

We gather all the lost map pieces we found on the grass. Let us add them together.

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

4 11 18 16 15 17 16 15 6 17 10 4 10 13 9 18 19 4

11 15 6 17 18 17

$1 + 3 = \boxed{} \rightarrow \boxed{\mathbf{T}}$

$7 + 4 = \boxed{} \rightarrow \boxed{\text{H}}$

$6 + 9 = \square \rightarrow \mathbf{A}$

$8 + 8 = \boxed{} \rightarrow \boxed{\mathbf{B}}$

$$2 + 7 = \boxed{} \rightarrow \boxed{\text{L}}$$

$1 + 5 = \boxed{} \rightarrow \boxed{\mathbf{N}}$

$10 + 8 = \boxed{} \rightarrow \boxed{\text{E}}$

$7 + 6 = \boxed{} \rightarrow \boxed{\mathbf{S}}$

$11 + 8 = \boxed{} \rightarrow \boxed{\mathbf{F}}$

$11 + 6 = \boxed{} \rightarrow \boxed{\text{D}}$

$4 + 6 = \boxed{} \rightarrow \boxed{1}$

Scratch space:

CLUE 3
Subtraction

The bandit dropped a bag of shiny rocks. We take away the cracked ones to count the rest.

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

S																			
8	6	7	19	10	2	4	10	9	17	14	2	4	12	19	14	16	4	2	

			S								S
1	13	7	8	4	13	14	16	4	2	8	

$11 - 3 =$

 $\rightarrow$
S

$4 - 3 =$

 $\rightarrow$
F

$20 - 1 =$

 $\rightarrow$
R

$8 - 2 =$

 $\rightarrow$
C

$15 - 5 =$

 $\rightarrow$
E

$16 - 3 =$

 $\rightarrow$
L

$17 - 1 =$

 $\rightarrow$
G

$14 - 5 =$

 $\rightarrow$
M

$12 - 5 =$

 $\rightarrow$
A

$9 - 7 =$

 $\rightarrow$
T

$11 - 7 =$

 $\rightarrow$
H

$17 - 3 =$

 $\rightarrow$
I

$18 - 1 =$

 $\rightarrow$
W

$18 - 6 =$

 $\rightarrow$
B

Scratch space:

CLUE 4 Place value

The treehouse door has a secret lock. We look at the tens and ones to find the code.

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

T							T											
88	23	74	11	61	87	37	47	88	23	56	74	24	39	74	87	78	11	87
78	74	77	38	87	61	77	87	61	87									

What number has 8 tens and 8 ones? → **T**

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

What number has 1 ten and 1 one? → **S**

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

What number has 5 tens and 6 ones? → **I**

What number has 3 tens and 8 ones? → **B**

What number has 4 tens and 7 ones? → **K**

What number has 7 tens and 4 ones? → **E**

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

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

What number has 6 tens and 1 one? → **N**

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

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

What number has 3 tens and 9 ones? → **W**

Scratch space:

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

We need ten banana treats to feed the friendly monkey. We have some but need to find the rest.

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:

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

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

$2 + \underline{\quad} = 5$

$8 + \underline{\quad} = 17$

$8 + \underline{\quad} = 16$

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

$9 + \underline{\quad} = 10$

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

$9 + \underline{\quad} = 14$

$4 + \underline{\quad} = 11$

$6 + \underline{\quad} = 16$

Step 2 - cross out the sentence with each answer:

1. The villain swings on a rope, then runs down the dirt path.
2. The villain crosses the log bridge, then runs down the dirt path.
3. The villain crawls through the ferns, then runs down the dirt path.
4. The villain paddles the canoe, then hides in the green bushes.
5. The villain crawls through the ferns, then splashes in the mud.
6. The villain climbs the big tree, then runs down the dirt path.
7. The villain paddles the canoe, then runs down the dirt path.
8. The villain crawls through the ferns, then grabs the golden banana.
9. The villain paddles the canoe, then grabs the golden banana.
10. The villain paddles the canoe, then zips down the vine.
11. The villain climbs the big tree, then hides in the green bushes.
12. The villain crawls through the ferns, then hides in the green bushes.

Answer Key

The Great Jungle Treehouse Mystery

Culprit: Pam

pocket compass · yellow poncho · left handed · red bandana · bright flashlights

Trail: Start 21 → Clue 1 18 → Clue 2 15 → Clue 3 8 → Clue 4 4 → Clue 5 1

Clue 1 (Skip counting): "THE BANDIT DOES NOT WEAR A CAMO JACKET"

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 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, __, 39, 42 = 36 (J) · Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 = 9 (R) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, __, 130, 140 = 120 (D) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, __, 110, 120 = 100 (M) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, __, 60, 65 = 55 (C) · Skip-count by 10s. Fill the blank: 10, 20, 30, __, 50, 60 = 40 (I) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, __, 36, 39 = 33 (E) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, __, 55, 60 = 50 (S) · 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 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, __, 150, 160 = 140 (H) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, __, 18, 21 = 15 (A) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110 = 90 (O) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, __, 30, 32 = 28 (N) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, __, 40, 45 = 35 (W) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, __, 33, 36 = 30 (K)

Clue 2 (Addition): "THE BAD BANDIT IS LEFT HANDED"

$1 + 3 = 4$ (T) · $7 + 4 = 11$ (H) · $6 + 9 = 15$ (A) · $8 + 8 = 16$ (B) · $2 + 7 = 9$ (L) · $1 + 5 = 6$ (N) · $10 + 8 = 18$ (E) · $7 + 6 = 13$ (S) · $11 + 8 = 19$ (F) · $11 + 6 = 17$ (D) · $4 + 6 = 10$ (I)

Clue 3 (Subtraction): "SCARE THEM WITH BRIGHT FLASHLIGHTS"

$11 - 3 = 8$ (S) · $4 - 3 = 1$ (F) · $20 - 1 = 19$ (R) · $8 - 2 = 6$ (C) · $15 - 5 = 10$ (E) · $16 - 3 = 13$ (L) · $17 - 1 = 16$ (G) · $14 - 5 = 9$ (M) · $12 - 5 = 7$ (A) · $9 - 7 = 2$ (T) · $11 - 7 = 4$ (H) · $17 - 3 = 14$ (I) · $18 - 1 = 17$ (W) · $18 - 6 = 12$ (B)

Clue 4 (Place value): "THE SNACK THIEF WEARS A RED BANDANA"

What number has 8 tens and 8 ones? = 88 (T) · What number has 2 tens and 3 ones? = 23 (H) · What number has 1 ten and 1 one? = 11 (S) · What number has 8 tens and 7 ones? = 87 (A) · What number has 5 tens and 6 ones? = 56 (I) · What number has 3 tens and 8 ones? = 38 (B) · What number has 4 tens and 7 ones? = 47 (K) · What number has 7 tens and 4 ones? = 74 (E) · What number has 7 tens and 8 ones? = 78 (R) · What number has 7 tens and 7 ones? = 77 (D) · What number has 6 tens and 1 one? = 61 (N) · What number has 3 tens and 7 ones? = 37 (C) · What number has 2 tens and 4 ones? = 24 (F) · What number has 3 tens and 9 ones? = 39 (W)

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

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