

The Golden Banana Mystery

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

Detective: _____ Date: _____

The golden banana trophy is gone! It was taken from the clubhouse. We need our junior explorers to follow the tracks and find the 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 Monkey Bandit is _____

Possible suspects

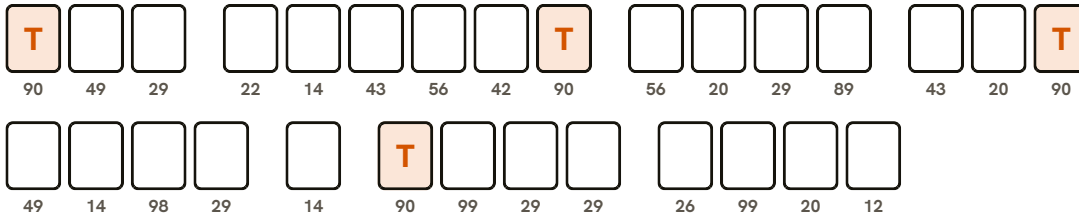
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	SPECIAL GEAR	ANIMAL BUDDY	DOMINANT HAND	HEADWEAR	FAVORITE SNACK
Diver Dan	Pocket Glider	Spy Squirrel	Right Handed	Blue Bandana	Sweet Mango
Explorer Emma	Grappling Hook	Spy Squirrel	Left Handed	Blue Bandana	Coconut Slices
Pilot Pete	Pocket Glider	Spy Squirrel	Left Handed	Blue Bandana	Sweet Mango
Ranger Rick	Grappling Hook	Spy Squirrel	Right Handed	Blue Bandana	Sweet Mango
Rover Riley	Super Trampoline	Tree Frog	Right Handed	Blue Bandana	Sweet Mango
Jumper Jack	Super Trampoline	Spy Squirrel	Right Handed	Blue Bandana	Banana Chips
Walker Wyatt	Super Trampoline	Spy Squirrel	Right Handed	Green Cap	Sweet Mango
Hunter Hope	Pocket Glider	Chameleon Buddy	Right Handed	Blue Bandana	Banana Chips
Finder Felix	Sticky Boots	Spy Squirrel	Right Handed	Straw Hat	Sweet Mango
Rider Ruby	Grappling Hook	Parrot Scout	Right Handed	Green Cap	Banana Chips
Sailor Sally	Grappling Hook	Parrot Scout	Left Handed	Straw Hat	Sweet Mango
Paddler Paige	Grappling Hook	Baby Monkey	Left Handed	Straw Hat	Coconut Slices
Guide Grace	Sticky Boots	Parrot Scout	Left Handed	Straw Hat	Banana Chips
Scout Sam	Super Trampoline	Spy Squirrel	Left Handed	Blue Bandana	Sweet Mango
Hiker Henry	Sticky Boots	Parrot Scout	Right Handed	Straw Hat	Coconut Slices
Climber Clara	Pocket Glider	Baby Monkey	Right Handed	Blue Bandana	Banana Chips
Seeker Sophie	Rope Launcher	Tree Frog	Right Handed	Straw Hat	Sweet Mango
Runner Rose	Sticky Boots	Chameleon Buddy	Right Handed	Blue Bandana	Sweet Mango
Flyer Fred	Grappling Hook	Baby Monkey	Left Handed	Green Cap	Sweet Mango
Fisher Finn	Pocket Glider	Tree Frog	Right Handed	Blue Bandana	Banana Chips
Camper Chloe	Super Trampoline	Chameleon Buddy	Right Handed	Blue Bandana	Sweet Mango

CLUE 1 Place value

We find a digital map left by the bandit. The screen shows tens and ones blocks to unlock. Let us group them to find the clue!

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



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

What number has 2 tens and 9 ones? → **E**

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

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

What number has 9 tens and 9 ones? → **R**

What number has 8 tens and 9 ones? → **S**

What number has 2 tens and 2 ones? → **B**

What number has 4 tens and 3 ones? → **N**

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

What number has 9 tens and 8 ones? → **V**

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

What number has 1 ten and 4 ones? → **A**

What number has 1 ten and 2 ones? → **G**

What number has 2 tens and 0 ones? → **O**

Scratch space:

CLUE 2

Skip counting

Footprints lead up the path. They are spaced out in groups of five. Let us count by fives to follow the tracks!

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

T																			
8	15	20	14	16	25	130	100	8	8	15	28	20	50	8	15	20			
14	16	55	50	100	8	15	8	15	20	28	100	55	15	8	15	16	25	130	

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

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

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

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

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

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

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

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

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

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

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

Scratch space:

CLUE 3 Addition

The bandit dropped two bags of shiny stones. We must add the stones in both bags together to see the path.

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

U														
37	26	50	26	65	50	50	58	38	24	54	27	40	58	40
43	90	26	58	86	24	59	58	58	71	50	81	24	54	43

$13 + 24 = \square \rightarrow$ U	$21 + 33 = \square \rightarrow$ N	$17 + 10 = \square \rightarrow$ G
$40 + 19 = \square \rightarrow$ C	$12 + 14 = \square \rightarrow$ S	$35 + 23 = \square \rightarrow$ T
$23 + 15 = \square \rightarrow$ M	$48 + 42 = \square \rightarrow$ I	$13 + 11 = \square \rightarrow$ A
$25 + 61 = \square \rightarrow$ R	$14 + 26 = \square \rightarrow$ O	$31 + 40 = \square \rightarrow$ H
$23 + 20 = \square \rightarrow$ D	$24 + 41 = \square \rightarrow$ W	$20 + 30 = \square \rightarrow$ E
$44 + 37 = \square \rightarrow$ B		

Scratch space:

CLUE 4

Subtraction

To run faster, the bandit threw some gear out of a heavy backpack. Subtract the dropped gear to find the way!

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

A						A			A		A		A	
78	68	26	69	19	68	78	29	60	78	29	78	22	78	46
	A													
77	78	69	30	28	66	12	29	66	28	19	21	12	53	19

$102 - 24 = \square \rightarrow \boxed{\text{A}}$

$76 - 23 = \square \rightarrow \boxed{\text{P}}$

$80 - 20 = \square \rightarrow \boxed{\text{D}}$

$69 - 1 = \square \rightarrow \boxed{\text{B}}$

$39 - 13 = \square \rightarrow \boxed{\text{L}}$

$35 - 5 = \square \rightarrow \boxed{\text{G}}$

$53 - 32 = \square \rightarrow \boxed{\text{R}}$

$50 - 21 = \square \rightarrow \boxed{\text{N}}$

$42 - 20 = \square \rightarrow \boxed{\text{W}}$

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

$100 - 31 = \square \rightarrow \boxed{\text{U}}$

$79 - 2 = \square \rightarrow \boxed{\text{C}}$

$20 - 8 = \square \rightarrow \boxed{\text{O}}$

$51 - 5 = \square \rightarrow \boxed{\text{S}}$

$99 - 33 = \square \rightarrow \boxed{\text{T}}$

$54 - 26 = \square \rightarrow \boxed{\text{H}}$

Scratch space:

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

We need ten bridge keys to cross the river. We only have six keys. How many more keys must we find to cross?

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:

$4 + \underline{\quad} = 6$

$7 + \underline{\quad} = 18$

$3 + \underline{\quad} = 4$

$1 + \underline{\quad} = 11$

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

$6 + \underline{\quad} = 9$

$3 + \underline{\quad} = 15$

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

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

$10 + \underline{\quad} = 15$

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

Step 2 - cross out the sentence with each answer:

1. The villain zips across the high cable, then laughs from the tree branch.
2. The villain swings across the river, then splashes into the pool.
3. The villain leaps over the wooden fence, then splashes into the pool.
4. The villain climbs up the giant vine, then splashes into the pool.
5. The villain slides down the muddy hill, then runs toward the secret cave.
6. The villain leaps over the wooden fence, then drops a map on the trail.
7. The villain climbs up the giant vine, then laughs from the tree branch.
8. The villain zips across the high cable, then runs toward the secret cave.
9. The villain swings across the river, then drops a map on the trail.
10. The villain zips across the high cable, then splashes into the pool.
11. The villain leaps over the wooden fence, then laughs from the tree branch.
12. The villain slides down the muddy hill, then drops a map on the trail.

Answer Key

The Golden Banana Mystery

Culprit: Diver Dan

Pocket Glider · Spy Squirrel · Right Handed · Blue Bandana · Sweet Mango

Trail: Start 21 → Clue 1 18 → Clue 2 11 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE BANDIT DOES NOT HAVE A TREE FROG"

What number has 9 tens and 0 ones? = 90 (T) · What number has 2 tens and 9 ones? = 29 (E) · What number has 5 tens and 6 ones? = 56 (D) · What number has 4 tens and 9 ones? = 49 (H) · What number has 9 tens and 9 ones? = 99 (R) · What number has 8 tens and 9 ones? = 89 (S) · What number has 2 tens and 2 ones? = 22 (B) · What number has 4 tens and 3 ones? = 43 (N) · What number has 2 tens and 6 ones? = 26 (F) · What number has 9 tens and 8 ones? = 98 (V) · What number has 4 tens and 2 ones? = 42 (I) · What number has 1 ten and 4 ones? = 14 (A) · What number has 1 ten and 2 ones? = 12 (G) · What number has 2 tens and 0 ones? = 20 (O)

Clue 2 (Skip counting): "THE BANDIT THREW THE BAG WITH THE RIGHT HAND"

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

Clue 3 (Addition): "USE SWEET MANGO TO DISTRACT THE BANDIT"

13 + 24 = 37 (U) · 21 + 33 = 54 (N) · 17 + 10 = 27 (G) · 40 + 19 = 59 (C) · 12 + 14 = 26 (S) · 35 + 23 = 58 (T) · 23 + 15 = 38 (M) · 48 + 42 = 90 (I) · 13 + 11 = 24 (A) · 25 + 61 = 86 (R) · 14 + 26 = 40 (O) · 31 + 40 = 71 (H) · 23 + 20 = 43 (D) · 24 + 41 = 65 (W) · 20 + 30 = 50 (E) · 44 + 37 = 81 (B)

Clue 4 (Subtraction): "A BLUE BANDANA WAS CAUGHT ON THE ROPE"

102 - 24 = 78 (A) · 76 - 23 = 53 (P) · 80 - 20 = 60 (D) · 69 - 1 = 68 (B) · 39 - 13 = 26 (L) · 35 - 5 = 30 (G) · 53 - 32 = 21 (R) · 50 - 21 = 29 (N) · 42 - 20 = 22 (W) · 21 - 2 = 19 (E) · 100 - 31 = 69 (U) · 79 - 2 = 77 (C) · 20 - 8 = 12 (O) · 51 - 5 = 46 (S) · 99 - 33 = 66 (T) · 54 - 26 = 28 (H)

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

4 + __ = 6 = 2 · 7 + __ = 18 = 11 · 3 + __ = 4 = 1 · 1 + __ = 11 = 10 · 6 + __ = 12 = 6 · 6 + __ = 9 = 3 · 3 + __ = 15 = 12 · 4 + __ = 13 = 9 · 8 + __ = 16 = 8 · 10 + __ = 15 = 5 · 4 + __ = 11 = 7