



The Temple of the Golden Banana

Grade 2 math · Place value, Addition, Subtraction, Skip counting, Missing addends · Reading level grades 3-4

Detective: _____ **Date:** _____

A priceless golden artifact has vanished from the jungle base camp! The Curator needs your team of junior scouts to track down the rogue explorer who took it before they escape the valley.

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 Rogue Explorer is _____

Possible suspects

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

NAME	PRIMARY TOOL	COMPANION PET	COMPASS GRIP	HAT COLOR	ADVENTURE PHOBIA
Steve Irwin	grappling hook	pet iguana	right handed	brown fedora	dislikes creepy caves
Lewis Meriwether	climbing rope	baby fruit bat	right handed	green safari hat	scared of spiders
Bindi Irwin	laser pointer	pocket monkey	right handed	green safari hat	afraid of heights
Sacagawea	machete	pocket monkey	left handed	green safari hat	dislikes creepy caves
Diego Marquez	climbing rope	pet iguana	right handed	green safari hat	dislikes creepy caves
Neil Armstrong	grappling hook	pet iguana	left handed	green safari hat	dislikes creepy caves
Dora Marquez	grappling hook	baby fruit bat	right handed	yellow sun visor	scared of spiders
Nellie Bly	machete	pet iguana	right handed	brown fedora	dislikes creepy caves
Sally Ride	laser pointer	baby fruit bat	left handed	brown fedora	scared of spiders
Nathan Drake	grappling hook	scout dog	right handed	green safari hat	afraid of heights
Marco Polo	metal detector	scout dog	left handed	brown fedora	scared of spiders
Jacques Cousteau	grappling hook	trained parrot	left handed	green safari hat	scared of spiders
Davy Crockett	climbing rope	baby fruit bat	left handed	green safari hat	scared of spiders
Phileas Fogg	metal detector	pocket monkey	left handed	green safari hat	scared of spiders
Charles Darwin	grappling hook	scout dog	left handed	green safari hat	afraid of heights
Robinson Crusoe	metal detector	pet iguana	right handed	green safari hat	scared of spiders
William Clark	laser pointer	pet iguana	left handed	green safari hat	scared of spiders
Amelia Earhart	climbing rope	pet iguana	right handed	brown fedora	scared of spiders
Buzz Aldrin	machete	scout dog	left handed	green safari hat	scared of spiders
Laura Dekker	metal detector	baby fruit bat	right handed	green safari hat	scared of spiders
Indiana Jones	climbing rope	pocket monkey	right handed	brown fedora	afraid of heights

CLUE 1 Place value

To open the ancient stone vault, you must read the secret carvings. The tens digit and the ones digit of the ancient numbers tell us where the first clue is buried.

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

T 28	38	97	72	30	60	60	41	30	75	68	59	97	78	75	59	T 28		
T 28	13	41	72	97	60	16	30	T 28	38	41	78	91	59	50	T 28	68	59	89

What number has 2 tens and 8 ones? →

T

What number has 1 ten and 6 ones? →

W

What number has 4 tens and 1 one? →

A

What number has 8 tens and 9 ones? →

G

What number has 6 tens and 8 ones? →

D

What number has 7 tens and 2 ones? →

V

What number has 1 ten and 3 ones? →

R

What number has 3 tens and 0 ones? →

I

What number has 6 tens and 0 ones? →

L

What number has 3 tens and 8 ones? →

H

What number has 9 tens and 7 ones? →

E

What number has 7 tens and 8 ones? →

S

What number has 9 tens and 1 one? →

C

What number has 7 tens and 5 ones? →

N

What number has 5 tens and 9 ones? →

O

What number has 5 tens and 0 ones? →

U

Scratch space:

CLUE 2

You find a dropped supply bag on the trail. By adding the number of water flasks to the number of trail bars, you discover the trail code left by the suspect.

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

71 64 74 78 77 78 61 74 72 71 77 78 74 78 71 64 74 32 88

98 74 59 71 64 40 70 62

$41 + 30 = \boxed{} \rightarrow \boxed{\text{T}}$

$$35 + 43 = \boxed{} \rightarrow \boxed{\text{S}}$$

$40 + 58 = \boxed{} \rightarrow \boxed{\text{L}}$

$40 + 24 = \boxed{} \rightarrow \boxed{\text{H}}$

$41 + 20 = \boxed{} \rightarrow \boxed{\text{P}}$

$$54 + 34 = \boxed{} \rightarrow \boxed{\text{R}}$$

$39 + 35 = \boxed{} \rightarrow \boxed{\text{E}}$

$$20 + 20 = \boxed{} \rightarrow \mathbf{A}$$

$24 + 35 = \boxed{} \rightarrow \boxed{\text{F}}$

$27 + 50 = \boxed{} \rightarrow \boxed{\text{U}}$

$$33 + 37 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$20 + 12 = \boxed{} \rightarrow \boxed{}$$

$30 + 32 = \boxed{} \rightarrow \boxed{\text{D}}$

$24 + 48 = \boxed{} \rightarrow \boxed{\text{C}}$

Scratch space:

CLUE 3
Subtraction

A group of cheeky jungle monkeys stole some of your climbing ropes. Subtract the ropes you have left from your original pile to see how many ropes the monkeys took.

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

T														
63	55	22	47	28	82	50	82	73	82	47	30	28	71	31
18	71	77	73	22	77									

$97 - 34 = \square \rightarrow \text{T}$	$43 - 15 = \square \rightarrow \text{R}$	$106 - 33 = \square \rightarrow \text{W}$
$75 - 25 = \square \rightarrow \text{N}$	$95 - 13 = \square \rightarrow \text{A}$	$106 - 29 = \square \rightarrow \text{B}$
$69 - 38 = \square \rightarrow \text{M}$	$33 - 11 = \square \rightarrow \text{E}$	$56 - 1 = \square \rightarrow \text{H}$
$78 - 31 = \square \rightarrow \text{Y}$	$75 - 4 = \square \rightarrow \text{O}$	$26 - 8 = \square \rightarrow \text{C}$
$32 - 2 = \square \rightarrow \text{F}$		

Scratch space:

CLUE 4 Skip counting

To cross the swamp safely, you have to step only on the stones carved with numbers that skip count by fives.

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

A													A		
26	21	55	33	15	36	15	39	28	28	100	50	21	39	26	20

						A					
45	16	140	28	39	20	26	50	30	28	45	21

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, __, 28, 30 → **A**

Skip-count by 10s. Fill the blank: 10, 20, __, 40, 50 → **L**

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

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

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

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

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

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

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

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

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

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, __, 42, 45 → **R**

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

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

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

Scratch space:

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

The ancient scale needs exactly twelve golden coins to balance. You only have seven, so you must figure out how many more coins you need to find to open the final door.

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:

$10 + \underline{\quad} = 12$

$4 + \underline{\quad} = 16$

$2 + \underline{\quad} = 7$

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

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

$4 + \underline{\quad} = 5$

$7 + \underline{\quad} = 11$

$4 + \underline{\quad} = 15$

$9 + \underline{\quad} = 18$

$5 + \underline{\quad} = 13$

$1 + \underline{\quad} = 7$

Step 2 - cross out the sentence with each answer:

1. The villain pointed out the secret traps with a laser pointer, then fed a sweet banana to a pocket monkey.
2. The villain swung across the canyon with a grappling hook, then shared some seeds with a trained parrot.
3. The villain scrambled up the stone wall with a climbing rope, then shined a dim light for a baby fruit bat.
4. The villain scrambled up the stone wall with a climbing rope, then fed a sweet banana to a pocket monkey.
5. The villain pointed out the secret traps with a laser pointer, then let a pet iguana crawl onto a warm rock.
6. The villain cleared the thick vines with a machete, then fed a sweet banana to a pocket monkey.
7. The villain scanned the dirt paths with a metal detector, then tossed a tennis ball to a scout dog.
8. The villain scanned the dirt paths with a metal detector, then let a pet iguana crawl onto a warm rock.
9. The villain cleared the thick vines with a machete, then let a pet iguana crawl onto a warm rock.
10. The villain cleared the thick vines with a machete, then shared some seeds with a trained parrot.
11. The villain swung across the canyon with a grappling hook, then shined a dim light for a baby fruit bat.
12. The villain scanned the dirt paths with a metal detector, then fed a sweet banana to a pocket monkey.

Answer Key

The Temple of the Golden Banana

Culprit: Davy Crockett

climbing rope · baby fruit bat · left handed · green safari hat · scared of spiders

Trail: Start 21 → Clue 1 17 → Clue 2 7 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE VILLAIN DOES NOT TRAVEL WITH A SCOUT DOG"

What number has 2 tens and 8 ones? = 28 (T) · What number has 1 ten and 6 ones? = 16 (W) · What number has 4 tens and 1 one? = 41 (A) · What number has 8 tens and 9 ones? = 89 (G) · What number has 6 tens and 8 ones? = 68 (D) · What number has 7 tens and 2 ones? = 72 (V) · What number has 1 ten and 3 ones? = 13 (R) · What number has 3 tens and 0 ones? = 30 (I) · What number has 6 tens and 0 ones? = 60 (L) · What number has 3 tens and 8 ones? = 38 (H) · What number has 9 tens and 7 ones? = 97 (E) · What number has 7 tens and 8 ones? = 78 (S) · What number has 9 tens and 1 one? = 91 (C) · What number has 7 tens and 5 ones? = 75 (N) · What number has 5 tens and 9 ones? = 59 (O) · What number has 5 tens and 0 ones? = 50 (U)

Clue 2 (Addition): "THE SUSPECT USES THEIR LEFT HAND"

$41 + 30 = 71$ (T) · $35 + 43 = 78$ (S) · $40 + 58 = 98$ (L) · $40 + 24 = 64$ (H) · $41 + 20 = 61$ (P) · $54 + 34 = 88$ (R) · $39 + 35 = 74$ (E) · $20 + 20 = 40$ (A) · $24 + 35 = 59$ (F) · $27 + 50 = 77$ (U) · $33 + 37 = 70$ (N) · $20 + 12 = 32$ (I) · $30 + 32 = 62$ (D) · $24 + 48 = 72$ (C)

Clue 3 (Subtraction): "THEY RAN AWAY FROM A COBWEB"

$97 - 34 = 63$ (T) · $43 - 15 = 28$ (R) · $106 - 33 = 73$ (W) · $75 - 25 = 50$ (N) · $95 - 13 = 82$ (A) · $106 - 29 = 77$ (B) · $69 - 38 = 31$ (M) · $33 - 11 = 22$ (E) · $56 - 1 = 55$ (H) · $78 - 31 = 47$ (Y) · $75 - 4 = 71$ (O) · $26 - 8 = 18$ (C) · $32 - 2 = 30$ (F)

Clue 4 (Skip counting): "A TOUGH GREEN STRAW FIBER WAS LEFT"

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

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

$10 + \underline{\quad} = 12 = 2$ · $4 + \underline{\quad} = 16 = 12$ · $2 + \underline{\quad} = 7 = 5$ · $5 + \underline{\quad} = 15 = 10$ · $6 + \underline{\quad} = 13 = 7$ · $4 + \underline{\quad} = 5 = 1$ · $7 + \underline{\quad} = 11 = 4$ · $4 + \underline{\quad} = 15 = 11$ · $9 + \underline{\quad} = 18 = 9$ · $5 + \underline{\quad} = 13 = 8$ · $1 + \underline{\quad} = 7 = 6$