



The Golden Banana Caper

Grade 5 math · Multiplication, Rounding, Skip counting, Multi-step word problems, Division · Reading level grades 3-4

Detective: _____ **Date:** _____

A rogue explorer has snatched the legendary Golden Banana from the Temple of Kukubaba! The temple doors are locking fast. We must track down the thief before they escape the Whispering Jungle.

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 GEAR	ESCAPE TOOL	FOOTPRINT DIRECTION	HEADWEAR	FEAR
Diego Marquez	climbing rope	glider wing	right boot first	brown fedora	scared of spiders
Toby Ranger	torch	mini raft	right boot first	red bandana	scared of spiders
Leo Wilder	machete	smoke bomb	right boot first	pith helmet	scared of snakes
Indy Jones	torch	mini raft	left boot first	brown fedora	scared of snakes
Dora Explorer	climbing rope	pocket compass	right boot first	brown fedora	scared of snakes
Eva Eagle	torch	mini raft	left boot first	red bandana	scared of bats
Zack Swift	climbing rope	bungee cord	right boot first	pith helmet	scared of bats
Lara Croft	climbing rope	bungee cord	right boot first	pith helmet	scared of spiders
Jack Wilder	torch	glider wing	right boot first	red bandana	scared of snakes
Gabe Green	climbing rope	pocket compass	right boot first	red bandana	scared of spiders
Zoe Vance	heavy boots	smoke bomb	right boot first	brown fedora	scared of spiders
Ben Gates	grappling hook	mini raft	left boot first	pith helmet	scared of bats
Ned Nimble	grappling hook	smoke bomb	right boot first	brown fedora	scared of spiders
Dan Daring	machete	pocket compass	right boot first	pith helmet	scared of bats
Penny Mapes	heavy boots	bungee cord	right boot first	pith helmet	scared of bats
Max Sterling	grappling hook	bungee cord	right boot first	red bandana	scared of bats
Sam Spade	torch	glider wing	right boot first	pith helmet	scared of bats
Amy Arrow	machete	mini raft	right boot first	pith helmet	scared of bats
Owen Otter	machete	mini raft	right boot first	red bandana	scared of spiders
Mia Stone	machete	smoke bomb	left boot first	pith helmet	scared of bats
Maya Trail	heavy boots	bungee cord	left boot first	pith helmet	scared of spiders

CLUE 1
Multiplication facts (1-12)

We found rows of ancient stone tiles. Each row has the same number of carvings. Let's multiply them to unlock the first clue chest.

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

T			T											T				
30	9	2	30	9	25	2	21	60	32	2	110	66	32	30	8	110	2	55
90	144	25	60	2	84	15	25	66	90									

$5 \times 6 = \square \rightarrow \text{T}$

$4 \times 8 = \square \rightarrow \text{O}$

$12 \times 12 = \square \rightarrow \text{L}$

$4 \times 2 = \square \rightarrow \text{U}$

$3 \times 5 = \square \rightarrow \text{W}$

$3 \times 3 = \square \rightarrow \text{H}$

$12 \times 7 = \square \rightarrow \text{R}$

$5 \times 5 = \square \rightarrow \text{I}$

$9 \times 10 = \square \rightarrow \text{G}$

$3 \times 7 = \square \rightarrow \text{F}$

$5 \times 12 = \square \rightarrow \text{D}$

$11 \times 10 = \square \rightarrow \text{S}$

$11 \times 5 = \square \rightarrow \text{A}$

$2 \times 1 = \square \rightarrow \text{E}$

$11 \times 6 = \square \rightarrow \text{N}$

Scratch space:

CLUE 2 Rounding

The camp radio is very fuzzy. We can only hear rounded numbers on the dial. Round the signal to find our next direction.

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

T								T												
90	9000	200	4300	1100	290	9000	90	700	430	430	90	70	4300	1100	50	90	1100	50		

T														
90	9000	200	1300	130	30	1100	2300	30	200	200	70	200	4300	

Round 87 to the nearest ten →

T

Round 8,741 to the nearest thousand →

H

Round 288 to the nearest ten →

G

Round 2,349 to the nearest hundred →

S

Round 53 to the nearest ten →

N

Round 663 to the nearest hundred →

F

Round 31 to the nearest ten →

D

Round 432 to the nearest ten →

O

Round 4,299 to the nearest hundred →

R

Round 69 to the nearest ten →

P

Round 132 to the nearest ten →

U

Round 198 to the nearest hundred →

E

Round 1,342 to the nearest hundred →

M

Round 1,076 to the nearest hundred →

I

Scratch space:

CLUE 3 Skip counting

To cross the bubbling mud pit, we must skip count along the safe stones. Follow the pattern to reach the message on the other side.

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

T			T											
21	42	30	21	42	65	30	15	26	12	130	15	26	27	24

			T	T														T	
15	16	45	21	21	30	26	65	130	120	33	45	130	120	16	30	9	12	21	8

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, __, 70, 75 → **I**

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

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

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

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, __, 45, 48 → **H**

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

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

Skip-count by 3s. Fill the blank: 3, 6, 9, __, 15, 18 → **A**

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

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, __, 26, 28 → **M**

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

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

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

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

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

Scratch space:

CLUE 4

Multi-step word problems

Our guide is counting our supplies. We packed some torches, used a few, and then found some more. Solve the puzzle to read the notebook.

Solve each problem, then write its letter in the boxes to fill in the missing word.

A strand of

P									
20	60	33	80	80	21	14	74	21	33

 hair turned up at the scene.

There were 228 compasses in all. 4 Explorer League used 27 compasses each. The other 6 Explorer League shared the rest equally. How many compasses did each of the other Explorer League get?

Answer: → **P**

There were 392 binoculars in all. 2 Explorer League used 36 binoculars each. The other 4 Explorer League shared the rest equally. How many binoculars did each of the other Explorer League get?

Answer: → **H**

Guide earned 4 bananas in each of 3 rounds, plus 57 bonus bananas. Then 9 bananas were lost. How many bananas are left?

Answer: → **I**

Guide earned 5 canteens in each of 4 rounds, plus 9 bonus canteens. Then 8 canteens were lost. How many canteens are left?

Answer: → **E**

Guide collected 16 canteens in the morning and 26 canteens in the afternoon, then split them equally among 3 Explorer League. How many canteens did each get?

Answer: → **L**

Guide collected 237 bananas in the morning and 133 bananas in the afternoon, then split them equally among 5 Explorer League. How many bananas did each get?

Answer: → **M**

Guide earned 4 vines in each of 2 rounds, plus 39 bonus vines. Then 14 vines were lost. How many vines are left?

Answer: → **T**

Scratch space:

CLUE 5**Division facts (1-12) - the last clue**

We need to split our trail mix into equal bags for the search party. Divide the snacks evenly to open the locked temple chest.

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:

$10 \div 2 = \boxed{}$

$72 \div 8 = \boxed{}$

$60 \div 6 = \boxed{}$

$96 \div 8 = \boxed{}$

$12 \div 2 = \boxed{}$

$9 \div 9 = \boxed{}$

$2 \div 1 = \boxed{}$

$70 \div 10 = \boxed{}$

$12 \div 3 = \boxed{}$

$27 \div 9 = \boxed{}$

$64 \div 8 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain crosses the shaky rope bridge, then slides down a steep muddy slope.
2. The villain clears a path through vines, then sails away down the rapids.
3. The villain climbs the temple wall, then sails away down the rapids.
4. The villain swings across the river, then slides down a steep muddy slope.
5. The villain climbs the temple wall, then slides down a steep muddy slope.
6. The villain swings across the river, then checks the magnetic north.
7. The villain sneaks past the sleepy traps, then vanishes in a puff of smoke.
8. The villain climbs the temple wall, then leaps off the cliffside.
9. The villain sneaks past the sleepy traps, then leaps off the cliffside.
10. The villain climbs the temple wall, then checks the magnetic north.
11. The villain swings across the river, then leaps off the cliffside.
12. The villain crosses the shaky rope bridge, then leaps off the cliffside.

Answer Key

The Golden Banana Caper

Culprit: Zack Swift

climbing rope · bungee cord · right boot first · pith helmet · scared of bats

Trail: Start 21 → Clue 1 18 → Clue 2 13 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE THIEF DOES NOT USE A GLIDER WING"

$5 \times 6 = 30$ (T) · $4 \times 8 = 32$ (O) · $12 \times 12 = 144$ (L) · $4 \times 2 = 8$ (U) · $3 \times 5 = 15$ (W) · $3 \times 3 = 9$ (H) · $12 \times 7 = 84$ (R) · $5 \times 5 = 25$ (I) · $9 \times 10 = 90$ (G) · $3 \times 7 = 21$ (F) · $5 \times 12 = 60$ (D) · $11 \times 10 = 110$ (S) · $11 \times 5 = 55$ (A) · $2 \times 1 = 2$ (E) · $11 \times 6 = 66$ (N)

Clue 2 (Rounding): "THE RIGHT FOOTPRINT IN THE MUD IS DEEPER"

Round 87 to the nearest ten = 90 (T) · Round 8,741 to the nearest thousand = 9000 (H) · Round 288 to the nearest ten = 290 (G) · Round 2,349 to the nearest hundred = 2300 (S) · Round 53 to the nearest ten = 50 (N) · Round 663 to the nearest hundred = 700 (F) · Round 31 to the nearest ten = 30 (D) · Round 432 to the nearest ten = 430 (O) · Round 4,299 to the nearest hundred = 4300 (R) · Round 69 to the nearest ten = 70 (P) · Round 132 to the nearest ten = 130 (U) · Round 198 to the nearest hundred = 200 (E) · Round 1,342 to the nearest hundred = 1300 (M) · Round 1,076 to the nearest hundred = 1100 (I)

Clue 3 (Skip counting): "THE THIEF RAN FROM FLUTTERING JUNGLE BATS"

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, __, 24, 27 = 21 (T) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, __, 70, 75 = 65 (I) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, __, 18, 21 = 15 (F) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, __, 35, 40 = 30 (E) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, __, 28, 30 = 26 (R) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, __, 45, 48 = 42 (H) · Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 = 8 (S) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 = 130 (N) · Skip-count by 3s. Fill the blank: 3, 6, 9, __, 15, 18 = 12 (A) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, __, 30, 33 = 27 (O) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, __, 26, 28 = 24 (M) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, __, 130, 140 = 120 (G) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 = 45 (U) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, __, 36, 39 = 33 (J) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, __, 18, 20 = 16 (L) · Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 = 9 (B)

Clue 4 (Multi-step word problems): "PITH HELMET"

There were 228 compasses in all. 4 Explorer League used 27 compasses each. The other 6 Explorer League shared the rest equally. How many compasses did each of the other Explorer League get? = 20 (P) · There were 392 binoculars in all. 2 Explorer League used 36 binoculars each. The other 4 Explorer League shared the rest equally. How many binoculars did each of the other Explorer League get? = 80 (H) · Guide earned 4 bananas in each of 3 rounds, plus 57 bonus bananas. Then 9 bananas were lost. How many bananas are left? = 60 (I) · Guide earned 5 canteens in each of 4 rounds, plus 9 bonus canteens. Then 8 canteens were lost. How many canteens are left? = 21 (E) · Guide collected 16 canteens in the morning and 26 canteens in the afternoon, then split them equally among 3 Explorer League. How many canteens did each get? = 14 (L) · Guide collected 237 bananas in the morning and 133 bananas in the afternoon, then split them equally among 5 Explorer League. How many bananas did each get? = 74 (M) · Guide earned 4 vines in each of 2 rounds, plus 39 bonus vines. Then 14 vines were lost. How many vines are left? = 33 (T)

Clue 5 (Division facts (1-12)): surviving statement is box 11 → Zack Swift

$10 \div 2 = 5$ · $72 \div 8 = 9$ · $60 \div 6 = 10$ · $96 \div 8 = 12$ · $12 \div 2 = 6$ · $9 \div 9 = 1$ · $2 \div 1 = 2$ · $70 \div 10 = 7$ · $12 \div 3 = 4$ · $27 \div 9 = 3$ · $64 \div 8 = 8$