



# 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 |   |     |    |    |    |   |     |   |    |

|                                              |                                               |                                               |                                              |
|----------------------------------------------|-----------------------------------------------|-----------------------------------------------|----------------------------------------------|
| $5 \times 6 = \square \rightarrow$ <b>T</b>  | $4 \times 8 = \square \rightarrow$ <b>O</b>   | $12 \times 12 = \square \rightarrow$ <b>L</b> |                                              |
| $4 \times 2 = \square \rightarrow$ <b>U</b>  | $3 \times 5 = \square \rightarrow$ <b>W</b>   | $3 \times 3 = \square \rightarrow$ <b>H</b>   | $12 \times 7 = \square \rightarrow$ <b>R</b> |
| $5 \times 5 = \square \rightarrow$ <b>I</b>  | $9 \times 10 = \square \rightarrow$ <b>G</b>  | $3 \times 7 = \square \rightarrow$ <b>F</b>   |                                              |
| $5 \times 12 = \square \rightarrow$ <b>D</b> | $11 \times 10 = \square \rightarrow$ <b>S</b> | $11 \times 5 = \square \rightarrow$ <b>A</b>  |                                              |
| $2 \times 1 = \square \rightarrow$ <b>E</b>  | $11 \times 6 = \square \rightarrow$ <b>N</b>  |                                               |                                              |

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.

|              |             |             |             |             |             |             |              |             |             |             |             |             |             |             |             |             |             |             |
|--------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <div>T</div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div>T</div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> |
| 90           | 9000        | 200         | 4300        | 1100        | 290         | 9000        | 90           | 700         | 430         | 430         | 90          | 70          | 4300        | 1100        | 50          | 90          | 1100        | 50          |

  

|              |             |             |             |             |             |             |             |             |             |             |             |             |      |
|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------|
| <div>T</div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> |      |
| 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  |    |    |    |     |     |     |    |     |     |    |    |
| 15 | 16 | 45 | 21 | 21 | 30 | 26 | 65 | 130 | 120 | 33  | 45 | 130 | 120 | 16 | 30 |

|   |    |    |   |
|---|----|----|---|
|   |    | T  |   |
| 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:**

$10 \div 2 = \boxed{\phantom{00}}$

$72 \div 8 = \boxed{\phantom{00}}$

$60 \div 6 = \boxed{\phantom{00}}$

$96 \div 8 = \boxed{\phantom{00}}$

$12 \div 2 = \boxed{\phantom{00}}$

$9 \div 9 = \boxed{\phantom{00}}$

$2 \div 1 = \boxed{\phantom{00}}$

$70 \div 10 = \boxed{\phantom{00}}$

$12 \div 3 = \boxed{\phantom{00}}$

$27 \div 9 = \boxed{\phantom{00}}$

$64 \div 8 = \boxed{\phantom{00}}$

**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

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