



The Temple Tracker Mystery

Grade 5 math · Multiplication, Rounding, Skip counting, Fractions of a number, Division · Reading level grades 3-4

Detective: _____ Date: _____

The legendary Golden Pineapple has been swiped from the camp vault! A sneaky Jungle Bandit snuck in past midnight. The Chief of Exploration needs you to search the camp, match the clues, and point out the bandit before they escape down the river.

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 Jungle 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	CAMP GEAR	FLASHLIGHT GRIP	EXPLORER HAT	FEAR
Steve Block	mud boots	bug net	right handed grip	pith helmet	scared of spiders
Daniel Boone	mud boots	magnifying glass	left handed grip	brown fedora	scared of spiders
Diego Animalist	rope launcher	canteen pack	right handed grip	pith helmet	scared of frogs
Jacques Cousteau	rope launcher	decoder book	right handed grip	green visor	scared of bats
Alex Survivor	bamboo glider	walkie talkie	right handed grip	brown fedora	scared of spiders
Jane Goodall	bamboo glider	bug net	left handed grip	pith helmet	scared of bats
Ernest Shackleton	bamboo glider	decoder book	left handed grip	brown fedora	scared of bats
Buzz Aldrin	mud boots	canteen pack	right handed grip	pith helmet	scared of spiders
Robert Falcon	bamboo glider	bug net	left handed grip	brown fedora	scared of spiders
Charles Darwin	rope launcher	bug net	right handed grip	brown fedora	scared of frogs
Marco Polo	grappling hook	magnifying glass	left handed grip	pith helmet	scared of bats
Lewis Clark	rope launcher	decoder book	right handed grip	pith helmet	scared of frogs
Bear Grylls	grappling hook	bug net	left handed grip	pith helmet	scared of spiders
Percy Fawcett	rope launcher	decoder book	right handed grip	brown fedora	scared of spiders
Lara Croft	bamboo glider	walkie talkie	left handed grip	brown fedora	scared of bats
Sally Ride	bamboo glider	decoder book	right handed grip	pith helmet	scared of spiders
Indy Jones	mud boots	canteen pack	right handed grip	brown fedora	scared of spiders
Nellie Bly	vineswing gear	walkie talkie	right handed grip	pith helmet	scared of spiders
Dora Mapmaker	mud boots	walkie talkie	right handed grip	pith helmet	scared of frogs
Amelia Earhart	grappling hook	walkie talkie	left handed grip	pith helmet	scared of spiders
Steve Irwin	rope launcher	magnifying glass	right handed grip	pith helmet	scared of spiders

CLUE 1
Multiplication facts (1-12)

We found bundles of supplies left behind by the runaway bandit. They were arranged in neat rows. If we multiply the number of rows by the items in each row, we get a secret number.

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

T																T			
14	11	56	2	35	18	18	42	35	10	20	64	56	144	10	64	14			
11	42	2	56	42	16	42	12	10	35	55	110	35	10	12	12	18	42	144	144

$7 \times 2 = \square \rightarrow$ T	$8 \times 2 = \square \rightarrow$ M	$7 \times 6 = \square \rightarrow$ A	$2 \times 1 = \square \rightarrow$ V
$8 \times 7 = \square \rightarrow$ E	$1 \times 10 = \square \rightarrow$ N	$5 \times 11 = \square \rightarrow$ F	
$7 \times 5 = \square \rightarrow$ I	$12 \times 12 = \square \rightarrow$ S	$8 \times 8 = \square \rightarrow$ O	
$11 \times 10 = \square \rightarrow$ Y	$6 \times 2 = \square \rightarrow$ G	$2 \times 10 = \square \rightarrow$ D	
$9 \times 2 = \square \rightarrow$ L	$11 \times 1 = \square \rightarrow$ H		

Scratch space:

CLUE 2

Our camp radar picked up a strange heat signature near the old ruins. The ancient radar screen is dusty and can only round the distance to the nearest hundred.

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

90 2300 900 110 3700 4300 1100 90 110 1300 3000 1300 20 2900 230 2300 90

2300 1300 7000 1700 230 20 2900 500

Round 90 to the nearest ten $\rightarrow$ **T**

Round 230 to the nearest ten $\rightarrow$ **G**

Round 2,929 to the nearest hundred $\rightarrow$

Round 2,318 to the nearest hundred $\rightarrow$ **H**

Round 7,484 to the nearest thousand $\rightarrow$ **N**

Round 1,112 to the nearest hundred $\rightarrow$ **U**

Round 21 to the nearest ten $\rightarrow$ **R**

Round 4,311 to the nearest hundred $\rightarrow$

Round 2,642 to the nearest thousand $\rightarrow$ **W**

Round 883 to the nearest hundred $\rightarrow$ **E**

Round 1,670 to the nearest hundred → **D**

Round 106 to the nearest ten $\rightarrow$ **S**

Round 495 to the nearest hundred $\rightarrow$ **P**

Round 1,283 to the nearest hundred $\rightarrow$ **A**

Round 3,678 to the nearest hundred → **C**

Scratch space:

CLUE 3 Skip counting

Deep footprints lead into the dark cave. By skip counting the distance between each giant muddy print, we can track exactly where they stepped.

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

T																
16	140	14	24	65	21	21	22	65	45	9	22	45	22	8	22	27
26	9	10	36	22	12	33	65	18	14	9						

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

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

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

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

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

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

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

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 2s. Fill the blank: 2, 4, 6, 8, 10, 12, __, 16, 18 → **E**

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

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

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, 15, __, 21, 24 → **D**

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

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

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

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

Scratch space:

CLUE 4
Fractions of a number

The thief dropped a water jug on the trail. Only a small fraction of the water is left inside, but we can use that fraction to find our next hint.

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

A												A					
20	35	19	16	9	9	15	5	25	15	16	17	20	22	5	15	8	16

19	21	16	9	15	25	40	4

$5/10 \text{ of } 40 = \boxed{} \rightarrow \boxed{\text{A}}$

$3/8 \text{ of } 40 = \boxed{} \rightarrow \boxed{\text{E}}$

$3/6 \text{ of } 34 = \boxed{} \rightarrow \boxed{\text{W}}$

$4/8 \text{ of } 32 = \boxed{} \rightarrow \boxed{\text{T}}$

$1/5 \text{ of } 200 = \boxed{} \rightarrow \boxed{\text{U}}$

$5/10 \text{ of } 44 = \boxed{} \rightarrow \boxed{\text{S}}$

$5/6 \text{ of } 30 = \boxed{} \rightarrow \boxed{\text{M}}$

$9/10 \text{ of } 10 = \boxed{} \rightarrow \boxed{\text{H}}$

$5/6 \text{ of } 6 = \boxed{} \rightarrow \boxed{\text{L}}$

$2/10 \text{ of } 95 = \boxed{} \rightarrow \boxed{\text{I}}$

$4/10 \text{ of } 10 = \boxed{} \rightarrow \boxed{\text{D}}$

$1/8 \text{ of } 64 = \boxed{} \rightarrow \boxed{\text{F}}$

$1/2 \text{ of } 42 = \boxed{} \rightarrow \boxed{\text{N}}$

$5/10 \text{ of } 70 = \boxed{} \rightarrow \boxed{\text{P}}$

Scratch space:

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

We found a pile of stolen gold coins near the river. If we divide the coins equally among the camp monkeys, the leftover amount gives us the final clue.

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:

$20 \div 10 = \boxed{}$

$40 \div 5 = \boxed{}$

$132 \div 11 = \boxed{}$

$7 \div 1 = \boxed{}$

$12 \div 2 = \boxed{}$

$99 \div 9 = \boxed{}$

$1 \div 1 = \boxed{}$

$15 \div 3 = \boxed{}$

$54 \div 6 = \boxed{}$

$50 \div 5 = \boxed{}$

$20 \div 5 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain uses the rope launcher, then checks the walkie talkie.
2. The villain rides the bamboo glider, then writes in the decoder book.
3. The villain swings on the vineswing gear, then checks the walkie talkie.
4. The villain rides the bamboo glider, then looks through the magnifying glass.
5. The villain uses the rope launcher, then swings the bug net.
6. The villain tromps in heavy mud boots, then writes in the decoder book.
7. The villain tromps in heavy mud boots, then looks through the magnifying glass.
8. The villain tromps in heavy mud boots, then drinks from the canteen pack.
9. The villain tromps in heavy mud boots, then checks the walkie talkie.
10. The villain throws the grappling hook, then looks through the magnifying glass.
11. The villain swings on the vineswing gear, then looks through the magnifying glass.
12. The villain tromps in heavy mud boots, then swings the bug net.

Answer Key

The Temple Tracker Mystery

Culprit: Nellie Bly

vineswing gear · walkie talkie · right handed grip · pith helmet · scared of spiders

Trail: Start 21 → Clue 1 18 → Clue 2 12 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE VILLAIN DOES NOT HAVE A MAGNIFYING GLASS"

$7 \times 2 = 14$ (T) · $8 \times 2 = 16$ (M) · $7 \times 6 = 42$ (A) · $2 \times 1 = 2$ (V) · $8 \times 7 = 56$ (E) · $1 \times 10 = 10$ (N) · $5 \times 11 = 55$ (F) · $7 \times 5 = 35$ (I) · $12 \times 12 = 144$ (S) · $8 \times 8 = 64$ (O) · $11 \times 10 = 110$ (Y) · $6 \times 2 = 12$ (G) · $2 \times 10 = 20$ (D) · $9 \times 2 = 18$ (L) · $11 \times 1 = 11$ (H)

Clue 2 (Rounding): "THE SCOUT SAW A RIGHT HAND GRIP"

Round 90 to the nearest ten = 90 (T) · Round 230 to the nearest ten = 230 (G) · Round 2,929 to the nearest hundred = 2900 (I) · Round 2,318 to the nearest hundred = 2300 (H) · Round 7,484 to the nearest thousand = 7000 (N) · Round 1,112 to the nearest hundred = 1100 (U) · Round 21 to the nearest ten = 20 (R) · Round 4,311 to the nearest hundred = 4300 (O) · Round 2,642 to the nearest thousand = 3000 (W) · Round 883 to the nearest hundred = 900 (E) · Round 1,670 to the nearest hundred = 1700 (D) · Round 106 to the nearest ten = 110 (S) · Round 495 to the nearest hundred = 500 (P) · Round 1,283 to the nearest hundred = 1300 (A) · Round 3,678 to the nearest hundred = 3700 (C)

Clue 3 (Skip counting): "THE VILLAIN RAN AWAY FROM A SPIDER"

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, __, 18, 20 = 16 (T) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, __, 36, 39 = 33 (P) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, __, 12, 14 = 10 (O) · Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 = 8 (W) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, __, 30, 33 = 27 (Y) · Skip-count by 3s. Fill the blank: 3, 6, 9, __, 15, 18 = 12 (S) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, __, 39, 42 = 36 (M) · 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 2s. Fill the blank: 2, 4, 6, 8, 10, 12, __, 16, 18 = 14 (E) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, __, 24, 26 = 22 (A) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, __, 27, 30 = 24 (V) · 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, 15, __, 21, 24 = 18 (D) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, __, 28, 30 = 26 (F) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 = 45 (N) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, __, 24, 27 = 21 (L) · Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 = 9 (R)

Clue 4 (Fractions of a number): "A PITH HELMET WAS LEFT IN THE MUD"

$5/10$ of 40 = 20 (A) · $3/8$ of 40 = 15 (E) · $3/6$ of 34 = 17 (W) · $4/8$ of 32 = 16 (T) · $1/5$ of 200 = 40 (U) · $5/10$ of 44 = 22 (S) · $5/6$ of 30 = 25 (M) · $9/10$ of 10 = 9 (H) · $5/6$ of 6 = 5 (L) · $2/10$ of 95 = 19 (I) · $4/10$ of 10 = 4 (D) · $1/8$ of 64 = 8 (F) · $1/2$ of 42 = 21 (N) · $5/10$ of 70 = 35 (P)

Clue 5 (Division facts (1-12)): surviving statement is box 3 → Nellie Bly

$20 \div 10 = 2$ · $40 \div 5 = 8$ · $132 \div 11 = 12$ · $7 \div 1 = 7$ · $12 \div 2 = 6$ · $99 \div 9 = 11$ · $1 \div 1 = 1$ · $15 \div 3 = 5$ · $54 \div 6 = 9$ · $50 \div 5 = 10$ · $20 \div 5 = 4$