The Lost Map Mystery

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

Detective: _____ **Date:** _____

Someone snatched the ancient treasure map from Mapmaker Maya's tent! Detective, decipher the clues left behind to unmask the Jungle 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 Jungle Bandit is _____

Possible suspects

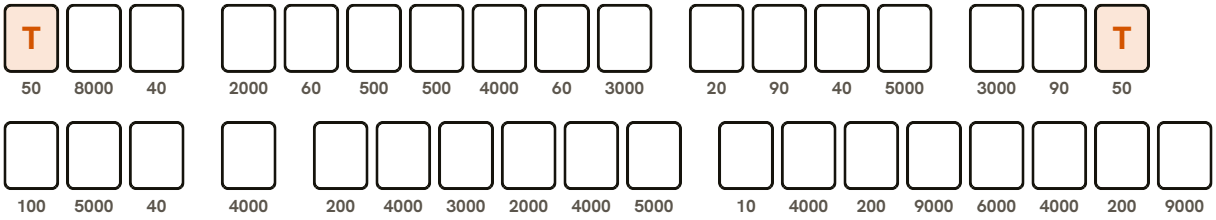
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	GADGET	GEAR	STANCE	BANDANA	WEAKNESS
Ranger Riley	Decoder Ring	Canvas Backpack	Right Handed	Red Bandana	Loud Noise
Forest Finn	Flashlight	Binoculars	Left Handed	Blue Bandana	Bright Light
Reef Ricky	Compass Watch	Rescue Rope	Left Handed	Red Bandana	Bright Light
Safari Sarah	Flashlight	Canvas Backpack	Left Handed	Blue Bandana	Cold Water
Desert Daisy	Decoder Ring	Climbing Boots	Right Handed	Red Bandana	Cold Water
Mountain Mia	Compass Watch	Binoculars	Right Handed	Red Bandana	Cold Water
Captain Cora	Signal Whistle	Climbing Boots	Right Handed	Blue Bandana	Bright Light
River Rider Leo	Grappling Hook	Climbing Boots	Right Handed	Red Bandana	Loud Noise
Jungle Jane	Flashlight	Binoculars	Right Handed	Red Bandana	Cold Water
Valley Scout Vance	Decoder Ring	Adventure Helmet	Left Handed	Red Bandana	Cold Water
Explorer Ethan	Signal Whistle	Canvas Backpack	Right Handed	Red Bandana	Cold Water
Navigator Noah	Grappling Hook	Climbing Boots	Right Handed	Blue Bandana	Cold Water
Hiker Hannah	Compass Watch	Adventure Helmet	Right Handed	Red Bandana	Loud Noise
Swamp Sally	Grappling Hook	Binoculars	Right Handed	Red Bandana	Bright Light
Pathfinder Penny	Signal Whistle	Climbing Boots	Right Handed	Yellow Bandana	Bright Light
Treasure Ben	Signal Whistle	Climbing Boots	Right Handed	Red Bandana	Cold Water
Valley Violet	Signal Whistle	Binoculars	Left Handed	Yellow Bandana	Loud Noise
Canyon Cliff	Flashlight	Climbing Boots	Right Handed	Red Bandana	Loud Noise
Cave Cody	Decoder Ring	Rescue Rope	Right Handed	Yellow Bandana	Cold Water
Outback Owen	Grappling Hook	Binoculars	Right Handed	Blue Bandana	Cold Water
Tracker Toby	Flashlight	Rescue Rope	Left Handed	Blue Bandana	Loud Noise

CLUE 1 Place value

> The mapmaker noticed mystery digits stamped on a brass crate near the campsite.

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



What is the value of the 5 in 6,256? ☐ → **T**

What is the value of the 6 in 4,767? ☐ → **I**

What is the value of the 2 in 2,356? ☐ → **V**

What is the value of the 6 in 6,814? ☐ → **P**

What is the value of the 1 in 198? ☐ → **U**

What is the value of the 5 in 5,349? ☐ → **S**

What is the value of the 9 in 9,458? ☐ → **K**

What is the value of the 1 in 419? ☐ → **B**

What is the value of the 8 in 8,720? ☐ → **H**

What is the value of the 4 in 542? ☐ → **E**

What is the value of the 9 in 3,296? ☐ → **O**

What is the value of the 5 in 529? ☐ → **L**

What is the value of the 4 in 14,895? ☐ → **A**

What is the value of the 2 in 726? ☐ → **D**

What is the value of the 3 in 43,445? ☐ → **N**

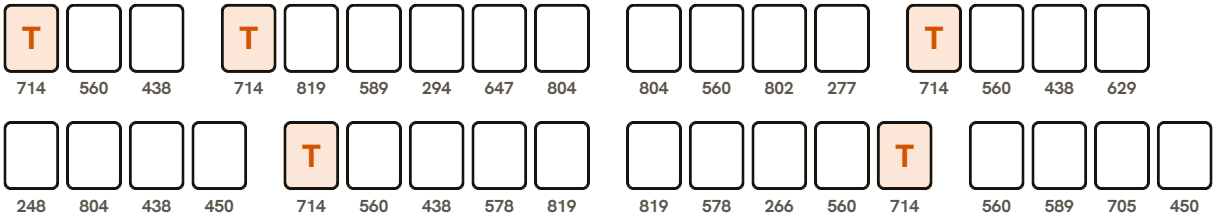
What is the value of the 2 in 249? ☐ → **C**

Scratch space:

CLUE 2 Addition

Detective Sam counted up all the muddy footprints left near the riverbank.

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



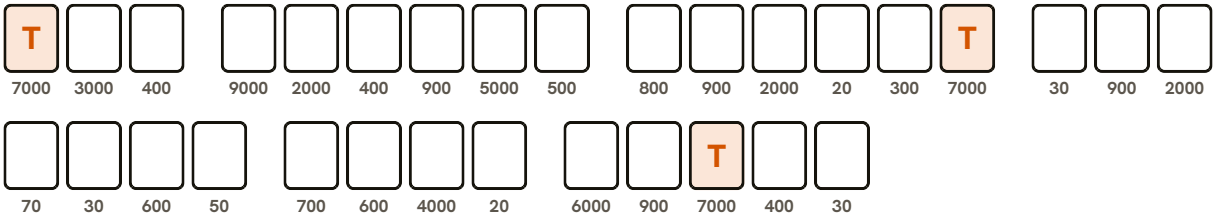
392 + 322 = ☐ → T	392 + 237 = ☐ → Y	462 + 357 = ☐ → R
238 + 322 = ☐ → H	278 + 524 = ☐ → O	157 + 281 = ☐ → E
146 + 148 = ☐ → C	218 + 232 = ☐ → D	358 + 231 = ☐ → A
377 + 201 = ☐ → I	130 + 118 = ☐ → U	242 + 405 = ☐ → K
174 + 103 = ☐ → W	548 + 256 = ☐ → S	170 + 96 = ☐ → G
398 + 307 = ☐ → N		

Scratch space:

CLUE 3 Rounding

> The explorer checked the digital altimeter but it only shows rounded numbers.

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



Round 6,794 to the nearest thousand ☐ → T

Round 689 to the nearest hundred ☐ → C

Round 67 to the nearest ten ☐ → F

Round 4,855 to the nearest thousand ☐ → K

Round 948 to the nearest hundred ☐ → A

Round 16 to the nearest ten ☐ → D

Round 829 to the nearest hundred ☐ → B

Round 3,184 to the nearest thousand ☐ → H

Round 496 to the nearest hundred ☐ → Y

Round 273 to the nearest hundred ☐ → I

Round 583 to the nearest hundred ☐ → O

Round 4,320 to the nearest thousand ☐ → L

Round 46 to the nearest ten ☐ → M

Round 2,389 to the nearest thousand ☐ → N

Round 27 to the nearest ten ☐ → R

Round 9,436 to the nearest thousand ☐ → S

Round 5,732 to the nearest thousand ☐ → W

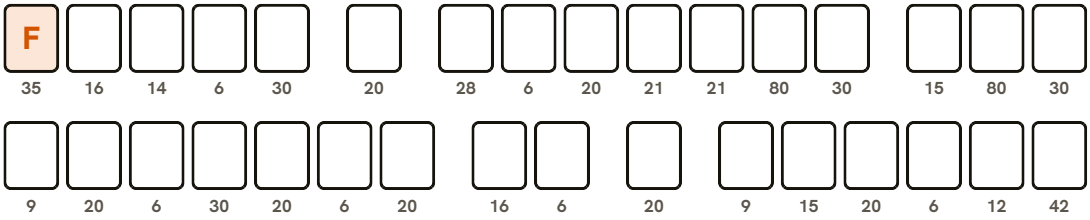
Round 415 to the nearest hundred ☐ → E

Scratch space:

CLUE 4 Skip counting

You count the stepping stones across the river in equal groups.

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



Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, ___, 40, 45 [ ] → **F**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, ___, 90, 100 [ ] → **E**

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

Skip-count by 10s. Fill the blank: 10, 20, ___, 40, 50 [ ] → **D**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, ___, 18, 20 [ ] → **O**

Skip-count by 5s. Fill the blank: 5, 10, ___, 20, 25 [ ] → **R**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, ___, 24, 27 [ ] → **G**

Skip-count by 5s. Fill the blank: 5, 10, 15, ___, 25, 30 [ ] → **A**

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

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, ___, 16, 18 [ ] → **U**

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 3s. Fill the blank: 3, 6, 9, ___, 15, 18 [ ] → **C**

Skip-count by 2s. Fill the blank: 2, 4, ___, 8, 10 [ ] → **N**

Scratch space:

CLUE 5 Missing addends - the last clue

Some gear supplies are missing from the pack and you need to find the missing amount.

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:

9 + ___ = 15 ☐	7 + ___ = 9 ☐	5 + ___ = 8 ☐	9 + ___ = 21 ☐
4 + ___ = 14 ☐	1 + ___ = 10 ☐	1 + ___ = 12 ☐	7 + ___ = 11 ☐
10 + ___ = 17 ☐	7 + ___ = 15 ☐	6 + ___ = 7 ☐	

Step 2 - cross out the sentence with each answer:

1. The villain swung across the canyon, then scaled the steep cliff.
2. The villain checked the secret compass, then spotted the hidden landmark.
3. The villain lit up the dark cave, then spotted the hidden landmark.
4. The villain checked the secret compass, then scaled the steep cliff.
5. The villain cracked the ancient symbol code, then scaled the steep cliff.
6. The villain blew a sharp warning whistle, then scaled the steep cliff.
7. The villain checked the secret compass, then snapped the chin strap tight.
8. The villain lit up the dark cave, then pulled up the heavy rope.
9. The villain blew a sharp warning whistle, then snapped the chin strap tight.
10. The villain swung across the canyon, then snapped the chin strap tight.
11. The villain cracked the ancient symbol code, then snapped the chin strap tight.
12. The villain lit up the dark cave, then stashed the map inside.

TEACHER / PARENT

Answer Key

The Lost Map Mystery

Culprit: Desert Daisy

Decoder Ring · Climbing Boots · Right Handed · Red Bandana · Cold Water

Trail: Start 21 → Clue 1 18 → Clue 2 13 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE VILLAIN DOES NOT USE A CANVAS BACKPACK"

What is the value of the 5 in 6,256? = 50 (T) · What is the value of the 6 in 4,767? = 60 (I) · What is the value of the 2 in 2,356? = 2000 (V) · What is the value of the 6 in 6,814? = 6000 (P) · What is the value of the 1 in 198? = 100 (U) · What is the value of the 5 in 5,349? = 5000 (S) · What is the value of the 9 in 9,458? = 9000 (K) · What is the value of the 1 in 419? = 10 (B) · What is the value of the 8 in 8,720? = 8000 (H) · What is the value of the 4 in 542? = 40 (E) · What is the value of the 9 in 3,296? = 90 (O) · What is the value of the 5 in 529? = 500 (L) · What is the value of the 4 in 14,895? = 4000 (A) · What is the value of the 2 in 726? = 20 (D) · What is the value of the 3 in 43,445? = 3000 (N) · What is the value of the 2 in 249? = 200 (C)

Clue 2 (Addition): "THE TRACKS SHOW THEY USED THEIR RIGHT HAND"

392 + 322 = 714 (T) · 392 + 237 = 629 (Y) · 462 + 357 = 819 (R) · 238 + 322 = 560 (H) · 278 + 524 = 802 (O) · 157 + 281 = 438 (E) · 146 + 148 = 294 (C) · 218 + 232 = 450 (D) · 358 + 231 = 589 (A) · 377 + 201 = 578 (I) · 130 + 118 = 248 (U) · 242 + 405 = 647 (K) · 174 + 103 = 277 (W) · 548 + 256 = 804 (S) · 170 + 96 = 266 (G) · 398 + 307 = 705 (N)

Clue 3 (Rounding): "THE SNEAKY BANDIT RAN FROM COLD WATER"

Round 6,794 to the nearest thousand = 7000 (T) · Round 689 to the nearest hundred = 700 (C) · Round 67 to the nearest ten = 70 (F) · Round 4,855 to the nearest thousand = 5000 (K) · Round 948 to the nearest hundred = 900 (A) · Round 16 to the nearest ten = 20 (D) · Round 829 to the nearest hundred = 800 (B) · Round 3,184 to the nearest thousand = 3000 (H) · Round 496 to the nearest hundred = 500 (Y) · Round 273 to the nearest hundred = 300 (I) · Round 583 to the nearest hundred = 600 (O) · Round 4,320 to the nearest thousand = 4000 (L) · Round 46 to the nearest ten = 50 (M) · Round 2,389 to the nearest thousand = 2000 (N) · Round 27 to the nearest ten = 30 (R) · Round 9,436 to the nearest thousand = 9000 (S) · Round 5,732 to the nearest thousand = 6000 (W) · Round 415 to the nearest hundred = 400 (E)

Clue 4 (Skip counting): "FOUND A SNAGGED RED BANDANA ON A BRANCH"

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, ___, 40, 45 = 35 (F) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, ___, 90, 100 = 80 (E) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, ___, 30, 32 = 28 (S) · Skip-count by 10s. Fill the blank: 10, 20, ___, 40, 50 = 30 (D) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, ___, 18, 20 = 16 (O) · Skip-count by 5s. Fill the blank: 5, 10, ___, 20, 25 = 15 (R) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, ___, 24, 27 = 21 (G) · Skip-count by 5s. Fill the blank: 5, 10, 15, ___, 25, 30 = 20 (A) · Skip-count by 3s. Fill the blank: 3, 6, ___, 12, 15 = 9 (B) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, ___, 16, 18 = 14 (U) · 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 3s. Fill the blank: 3, 6, 9, ___, 15, 18 = 12 (C) · Skip-count by 2s. Fill the blank: 2, 4, ___, 8, 10 = 6 (N)

Clue 5 (Missing addends): surviving statement is box 5 → Desert Daisy

9 + ___ = 15 = 6 · 7 + ___ = 9 = 2 · 5 + ___ = 8 = 3 · 9 + ___ = 21 = 12 · 4 + ___ = 14 = 10 · 1 + ___ = 10 = 9 · 1 + ___ = 12 = 11 · 7 + ___ = 11 = 4 · 10 + ___ = 17 = 7 · 7 + ___ = 15 = 8 · 6 + ___ = 7 = 1