The Mystery of the Whispering Jungle Map

Grade 4 math · Addition, Rounding, Subtraction, Multiplication, Division · Reading level grades 3-4

Detective: _____ **Date:** _____

Someone snuck into base camp and stole the ancient jungle map! Solve the math clues to figure out who took it and recover the secret path.

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 Map Thief 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	SECRET GEAR	DOMINANT HAND	HEADWEAR	MAIN WEAKNESS
Jack Horizon	Compass Whistle	Smoke Pellets	Left Handed	Red Bandana	Loud Whistles
Hannah Valley	Torch Flashlight	Camouflage Net	Right Handed	Pith Helmet	Loud Whistles
Sam Riverwood	Glider Wings	Signal Flares	Left Handed	Black Cap	Bright Lights
Leo Pathfinder	Scout Binoculars	Signal Flares	Right Handed	Red Bandana	Bright Lights
Lily Vine	Compass Whistle	Signal Flares	Right Handed	Red Bandana	Sticky Mud
Cole Summit	Torch Flashlight	Camouflage Net	Left Handed	Red Bandana	Bright Lights
Dylan Flint	Rope Launcher	Smoke Pellets	Right Handed	Black Cap	Bright Lights
Ruby Timber	Rope Launcher	Grappling Hook	Left Handed	Red Bandana	Bright Lights
Noah Creek	Glider Wings	Camouflage Net	Right Handed	Black Cap	Loud Whistles
Maya Canopy	Rope Launcher	Smoke Pellets	Right Handed	Black Cap	Sticky Mud
Finn Ridge	Compass Whistle	Smoke Pellets	Left Handed	Red Bandana	Bright Lights
Ella Bramble	Glider Wings	Sound Snare	Left Handed	Red Bandana	Sticky Mud
Ivy Fern	Compass Whistle	Grappling Hook	Right Handed	Pith Helmet	Loud Whistles
Luke Pioneer	Scout Binoculars	Grappling Hook	Right Handed	Black Cap	Bright Lights
Mia Moss	Glider Wings	Grappling Hook	Left Handed	Red Bandana	Bright Lights
Max Sterling	Rope Launcher	Smoke Pellets	Right Handed	Red Bandana	Sticky Mud
Eli Scout	Glider Wings	Sound Snare	Right Handed	Black Cap	Bright Lights
Ava Redwood	Compass Whistle	Camouflage Net	Left Handed	Red Bandana	Loud Whistles
Zoe Trailblazer	Torch Flashlight	Camouflage Net	Left Handed	Pith Helmet	Bright Lights
Toby Canyon	Rope Launcher	Sound Snare	Left Handed	Red Bandana	Sticky Mud
Chloe Cedar	Compass Whistle	Sound Snare	Left Handed	Red Bandana	Bright Lights

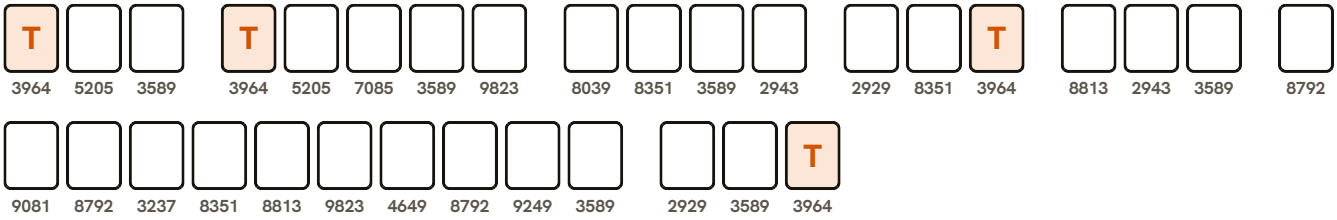
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CLUE 1

Addition

Scout Sam adds up all the footprints found along the muddy riverbank.

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



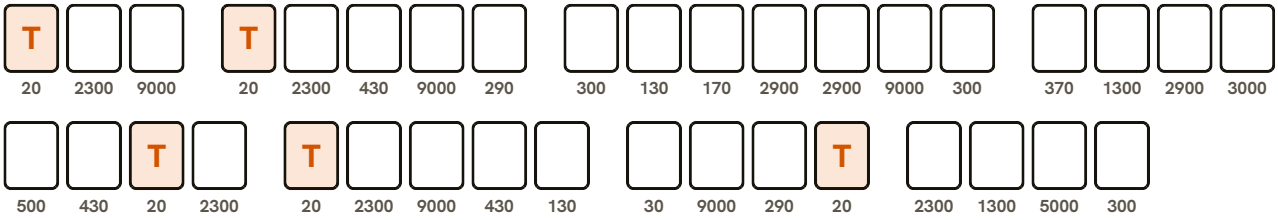
1364 + 2600 = ☐ → T	1303 + 2286 = ☐ → E	4572 + 4241 = ☐ → U
2666 + 1983 = ☐ → L	1946 + 983 = ☐ → N	3243 + 5108 = ☐ → O
2003 + 1234 = ☐ → M	5541 + 3708 = ☐ → G	6009 + 3814 = ☐ → F
3229 + 4810 = ☐ → D	3226 + 1979 = ☐ → H	4700 + 2385 = ☐ → I
1914 + 1029 = ☐ → S	2756 + 6036 = ☐ → A	5383 + 3698 = ☐ → C

Scratch space:

CLUE 2 Rounding

The radio tower scanner only shows approximate distance numbers rounded to the nearest ten.

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



Round 17 to the nearest ten ☐ → T

Round 292 to the nearest ten ☐ → F

Round 2,287 to the nearest hundred ☐ → H

Round 29 to the nearest ten ☐ → L

Round 367 to the nearest ten ☐ → M

Round 169 to the nearest ten ☐ → O

Round 348 to the nearest hundred ☐ → D

Round 473 to the nearest hundred ☐ → W

Round 3,467 to the nearest thousand ☐ → S

Round 429 to the nearest ten ☐ → I

Round 4,982 to the nearest thousand ☐ → N

Round 8,837 to the nearest thousand ☐ → E

Round 1,329 to the nearest hundred ☐ → A

Round 134 to the nearest ten ☐ → R

Round 2,864 to the nearest hundred ☐ → P

Scratch space:

CLUE 3 Subtraction

Detective Maya calculates how many coconut canteens are missing from the supply crate.

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



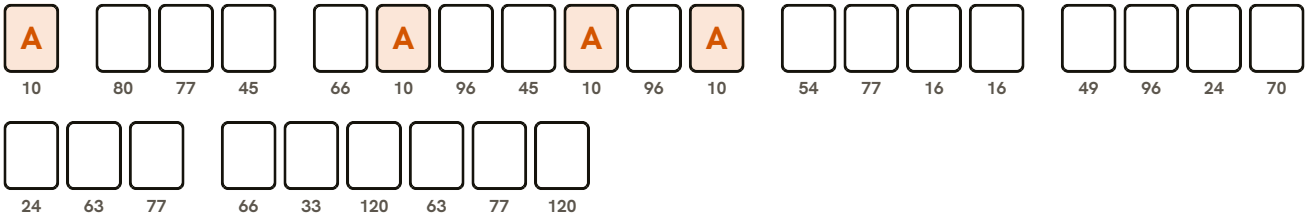
4216 - 2192 = ☐ → B	3658 - 1483 = ☐ → O	8554 - 1455 = ☐ → L
6171 - 4477 = ☐ → S	7541 - 3549 = ☐ → U	12731 - 4708 = ☐ → A
10938 - 2793 = ☐ → F	6432 - 2843 = ☐ → D	4147 - 1320 = ☐ → H
10805 - 2400 = ☐ → R	4332 - 2782 = ☐ → I	3344 - 571 = ☐ → T
7844 - 3194 = ☐ → C	8032 - 4235 = ☐ → E	3907 - 1392 = ☐ → G

Scratch space:

CLUE 4 Multiplication facts (1-12)

Scout Finn checks equal rows of supply boxes stacked inside the base camp tent.

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



5 × 2 = ☐ → A

8 × 12 = ☐ → N

11 × 6 = ☐ → B

9 × 5 = ☐ → D

4 × 4 = ☐ → L

8 × 10 = ☐ → R

12 × 10 = ☐ → S

7 × 9 = ☐ → H

2 × 12 = ☐ → T

6 × 9 = ☐ → F

10 × 7 = ☐ → O

7 × 7 = ☐ → I

11 × 3 = ☐ → U

11 × 7 = ☐ → E

Scratch space:

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

Chief Explorer Ava divides the remaining trail snacks equally among the rescue teams.

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:

35 ÷ 7 = ☐ | 56 ÷ 7 = ☐ | 12 ÷ 12 = ☐ | 108 ÷ 12 = ☐ | 110 ÷ 11 = ☐

132 ÷ 11 = ☐ | 36 ÷ 12 = ☐ | 72 ÷ 12 = ☐ | 12 ÷ 6 = ☐ | 44 ÷ 11 = ☐

84 ÷ 12 = ☐

Step 2 - cross out the sentence with each answer:

1. The villain blew a loud compass whistle, then threw down dense smoke pellets.
2. The villain fired a swift rope launcher, then launched bright signal flares.
3. The villain flashed a bright torch flashlight, then launched bright signal flares.
4. The villain soared past on glider wings, then hid underneath a camouflage net.
5. The villain blew a loud compass whistle, then set up a noisy sound snare.
6. The villain flashed a bright torch flashlight, then threw down dense smoke pellets.
7. The villain soared past on glider wings, then launched bright signal flares.
8. The villain fired a swift rope launcher, then swung away with a grappling hook.
9. The villain flashed a bright torch flashlight, then swung away with a grappling hook.
10. The villain spotted the target with scout binoculars, then threw down dense smoke pellets.
11. The villain soared past on glider wings, then swung away with a grappling hook.
12. The villain flashed a bright torch flashlight, then set up a noisy sound snare.

TEACHER / PARENT

Answer Key

The Mystery of the Whispering Jungle Map

Culprit: Mia Moss

Glider Wings · Grappling Hook · Left Handed · Red Bandana · Bright Lights

Trail: Start 21 → Clue 1 16 → Clue 2 8 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE THIEF DOES NOT USE A CAMOUFLAGE NET"

1364 + 2600 = 3964 (T) · 1303 + 2286 = 3589 (E) · 4572 + 4241 = 8813 (U) · 2666 + 1983 = 4649 (L) · 1946 + 983 = 2929 (N) · 3243 + 5108 = 8351 (O) · 2003 + 1234 = 3237 (M) · 5541 + 3708 = 9249 (G) · 6009 + 3814 = 9823 (F) · 3229 + 4810 = 8039 (D) · 3226 + 1979 = 5205 (H) · 4700 + 2385 = 7085 (I) · 1914 + 1029 = 2943 (S) · 2756 + 6036 = 8792 (A) · 5383 + 3698 = 9081 (C)

Clue 2 (Rounding): "THE THIEF DROPPED MAPS WITH THEIR LEFT HAND"

Round 17 to the nearest ten = 20 (T) · Round 292 to the nearest ten = 290 (F) · Round 2,287 to the nearest hundred = 2300 (H) · Round 29 to the nearest ten = 30 (L) · Round 367 to the nearest ten = 370 (M) · Round 169 to the nearest ten = 170 (O) · Round 348 to the nearest hundred = 300 (D) · Round 473 to the nearest hundred = 500 (W) · Round 3,467 to the nearest thousand = 3000 (S) · Round 429 to the nearest ten = 430 (I) · Round 4,982 to the nearest thousand = 5000 (N) · Round 8,837 to the nearest thousand = 9000 (E) · Round 1,329 to the nearest hundred = 1300 (A) · Round 134 to the nearest ten = 130 (R) · Round 2,864 to the nearest hundred = 2900 (P)

Clue 3 (Subtraction): "BRIGHT LIGHTS CAUSED THE THIEF TO RETREAT"

4216 - 2192 = 2024 (B) · 3658 - 1483 = 2175 (O) · 8554 - 1455 = 7099 (L) · 6171 - 4477 = 1694 (S) · 7541 - 3549 = 3992 (U) · 12731 - 4708 = 8023 (A) · 10938 - 2793 = 8145 (F) · 6432 - 2843 = 3589 (D) · 4147 - 1320 = 2827 (H) · 10805 - 2400 = 8405 (R) · 4332 - 2782 = 1550 (I) · 3344 - 571 = 2773 (T) · 7844 - 3194 = 4650 (C) · 8032 - 4235 = 3797 (E) · 3907 - 1392 = 2515 (G)

Clue 4 (Multiplication facts (1-12)): "A RED BANDANA FELL INTO THE BUSHES"

5 × 2 = 10 (A) · 8 × 12 = 96 (N) · 11 × 6 = 66 (B) · 9 × 5 = 45 (D) · 4 × 4 = 16 (L) · 8 × 10 = 80 (R) · 12 × 10 = 120 (S) · 7 × 9 = 63 (H) · 2 × 12 = 24 (T) · 6 × 9 = 54 (F) · 10 × 7 = 70 (O) · 7 × 7 = 49 (I) · 11 × 3 = 33 (U) · 11 × 7 = 77 (E)

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

35 ÷ 7 = 5 · 56 ÷ 7 = 8 · 12 ÷ 12 = 1 · 108 ÷ 12 = 9 · 110 ÷ 11 = 10 · 132 ÷ 11 = 12 · 36 ÷ 12 = 3 · 72 ÷ 12 = 6 · 12 ÷ 6 = 2 · 44 ÷ 11 = 4 · 84 ÷ 12 = 7