



The Jungle Basecamp Mystery

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

Detective: _____ Date: _____

Someone snuck into the camp and snatched the golden sun dial! Help Scout Leader Sam solve the clues, clear the innocent camp members, and find out who took it!

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	MAIN TOOL	SIDE GEAR	HANDEDNESS	HAIRSTYLE	SECRET WEAKNESS
Eli Hayes	shield glide	net trap	right handed	blonde buzzcut	bright flashlight
Chloe Bennett	shield glide	glint mirror	right handed	red braid	itchy pepper dust
Finn Walker	shield glide	glint mirror	left handed	red braid	bright flashlight
Sienna Cole	grapple hook	smoke bomb	right handed	blonde buzzcut	bright flashlight
Ruby Stone	torch flare	smoke bomb	right handed	red braid	loud whistle
Nora Patel	torch flare	decoy whistle	left handed	blonde buzzcut	itchy pepper dust
Wren Price	torch flare	decoy whistle	left handed	red braid	itchy pepper dust
Hugo Black	vine swing	decoy whistle	left handed	blonde buzzcut	itchy pepper dust
Jasper King	torch flare	smoke bomb	left handed	red braid	itchy pepper dust
Zoe Chen	grapple hook	rope dart	left handed	black ponytail	itchy pepper dust
Cleo Young	shield glide	rope dart	left handed	red braid	itchy pepper dust
Freya Ross	grapple hook	net trap	left handed	red braid	itchy pepper dust
Ivy Zhang	shield glide	glint mirror	right handed	red braid	loud whistle
Benji Ford	grapple hook	smoke bomb	left handed	red braid	itchy pepper dust
Toby Brooks	shield glide	glint mirror	left handed	blonde buzzcut	bright flashlight
Leo Vance	vine swing	decoy whistle	left handed	red braid	itchy pepper dust
Sam Rivera	shield glide	smoke bomb	right handed	black ponytail	bright flashlight
Felix Shaw	grapple hook	net trap	left handed	blonde buzzcut	itchy pepper dust
Maya Cruz	shield glide	decoy whistle	right handed	blonde buzzcut	bright flashlight
Ezra Knight	torch flare	net trap	left handed	black ponytail	loud whistle
Gemma Hill	torch flare	rope dart	left handed	blonde buzzcut	bright flashlight

CLUE 1

Subtraction

You count the trail maps before and after the camp raid to see how many were taken.

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

T																T
558	429	252	536	460	294	294	347	460	825	844	637	252	246	825	637	558
														T		
247	246	252	347	844	252	457	637	816	596	429	460	246	558	294	252	

$599 - 41 = \square \rightarrow \boxed{\text{T}}$

$542 - 296 = \square \rightarrow \boxed{\text{S}}$

$858 - 42 = \square \rightarrow \boxed{\text{Y}}$

$864 - 39 = \square \rightarrow \boxed{\text{N}}$

$300 - 53 = \square \rightarrow \boxed{\text{U}}$

$597 - 250 = \square \rightarrow \boxed{\text{A}}$

$953 - 109 = \square \rightarrow \boxed{\text{D}}$

$742 - 206 = \square \rightarrow \boxed{\text{V}}$

$847 - 390 = \square \rightarrow \boxed{\text{C}}$

$1006 - 369 = \square \rightarrow \boxed{\text{O}}$

$253 - 1 = \square \rightarrow \boxed{\text{E}}$

$910 - 314 = \square \rightarrow \boxed{\text{W}}$

$564 - 104 = \square \rightarrow \boxed{\text{I}}$

$522 - 228 = \square \rightarrow \boxed{\text{L}}$

$789 - 360 = \square \rightarrow \boxed{\text{H}}$

Scratch space:

CLUE 2 Rounding

The radio scanner rounds the bandit jump distance to the nearest ten yards.

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

A									A		A				
40	80	9000	400	4000	700	20	20	20	40	80	40	8000	700	500	400

	A														
5000	40	4000	6000	700	6000	500	300	300	400	900	30	9000	4000	400	

Round 37 to the nearest ten → **A**

Round 687 to the nearest hundred → **E**

Round 18 to the nearest ten → **S**

Round 3,733 to the nearest thousand → **N**

Round 7,612 to the nearest thousand → **L**

Round 6,113 to the nearest thousand → **D**

Round 452 to the nearest hundred → **F**

Round 855 to the nearest hundred → **P**

Round 83 to the nearest ten → **W**

Round 435 to the nearest hundred → **T**

Round 340 to the nearest hundred → **O**

Round 26 to the nearest ten → **R**

Round 4,993 to the nearest thousand → **H**

Round 9,461 to the nearest thousand → **I**

Scratch space:

CLUE 3

Addition

You add up the gold coins dropped near the riverbank to find a clue.

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

T																
348	959	476	400	225	673	673	747	225	472	968	472	476	476	512	476	921

934	683	313	405	415	476	415	415	476	683	921	824	968	348			

$115 + 233 = \square \rightarrow \text{T}$

$155 + 317 = \square \rightarrow \text{N}$

$465 + 359 = \square \rightarrow \text{U}$

$253 + 259 = \square \rightarrow \text{Z}$

$409 + 264 = \square \rightarrow \text{L}$

$129 + 96 = \square \rightarrow \text{I}$

$226 + 250 = \square \rightarrow \text{E}$

$216 + 184 = \square \rightarrow \text{V}$

$278 + 405 = \square \rightarrow \text{R}$

$525 + 409 = \square \rightarrow \text{F}$

$381 + 366 = \square \rightarrow \text{A}$

$100 + 213 = \square \rightarrow \text{O}$

$246 + 159 = \square \rightarrow \text{M}$

$281 + 640 = \square \rightarrow \text{D}$

$361 + 607 = \square \rightarrow \text{S}$

$626 + 333 = \square \rightarrow \text{H}$

$231 + 184 = \square \rightarrow \text{P}$

Scratch space:

CLUE 4

Multiplication facts (1-12)

The footprints are lined up in equal rows across the muddy trail.

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

A					A						A				A	
12	48	132	84	22	12	66	48	121	144	48	12	25	84	77	12	121
50	132	70	144	55	25	144	22	132	42	66	25	132				

$12 \times 1 = \square \rightarrow \text{A}$

$7 \times 10 = \square \rightarrow \text{F}$

$4 \times 12 = \square \rightarrow \text{R}$

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

$11 \times 12 = \square \rightarrow \text{E}$

$2 \times 11 = \square \rightarrow \text{H}$

$6 \times 7 = \square \rightarrow \text{V}$

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

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

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

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

$10 \times 5 = \square \rightarrow \text{L}$

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

$11 \times 7 = \square \rightarrow \text{W}$

Scratch space:

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

You share the remaining supply crates equally among the scout huts.

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:

$24 \div 4 = \boxed{}$

$16 \div 2 = \boxed{}$

$9 \div 9 = \boxed{}$

$9 \div 1 = \boxed{}$

$44 \div 4 = \boxed{}$

$18 \div 6 = \boxed{}$

$72 \div 6 = \boxed{}$

$55 \div 11 = \boxed{}$

$40 \div 10 = \boxed{}$

$50 \div 5 = \boxed{}$

$28 \div 4 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain flared a bright torch, then tossed a smoke bomb.
2. The villain glided on a shield, then snapped a rope dart.
3. The villain fired a grapple hook, then snapped a rope dart.
4. The villain flared a bright torch, then snapped a rope dart.
5. The villain swung on a vine, then blew a decoy whistle.
6. The villain fired a grapple hook, then tossed a smoke bomb.
7. The villain swung on a vine, then snapped a rope dart.
8. The villain fired a grapple hook, then threw a net trap.
9. The villain dashed with a compass, then snapped a rope dart.
10. The villain flared a bright torch, then flashed a glint mirror.
11. The villain swung on a vine, then flashed a glint mirror.
12. The villain swung on a vine, then threw a net trap.

Answer Key

The Jungle Basecamp Mystery

Culprit: Cleo Young

shield glide · rope dart · left handed · red braid · itchy pepper dust

Trail: Start 21 → Clue 1 16 → Clue 2 10 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Subtraction): "THE VILLAIN DOES NOT USE A DECOY WHISTLE"

$599 - 41 = 558$ (T) · $542 - 296 = 246$ (S) · $858 - 42 = 816$ (Y) · $864 - 39 = 825$ (N) · $300 - 53 = 247$ (U) · $597 - 250 = 347$ (A) · $953 - 109 = 844$ (D) · $742 - 206 = 536$ (V) · $847 - 390 = 457$ (C) · $1006 - 369 = 637$ (O) · $253 - 1 = 252$ (E) · $910 - 314 = 596$ (W) · $564 - 104 = 460$ (I) · $522 - 228 = 294$ (L) · $789 - 360 = 429$ (H)

Clue 2 (Rounding): "A WITNESS SAW A LEFT HANDED FOOTPRINT"

Round 37 to the nearest ten = 40 (A) · Round 687 to the nearest hundred = 700 (E) · Round 18 to the nearest ten = 20 (S) · Round 3,733 to the nearest thousand = 4000 (N) · Round 7,612 to the nearest thousand = 8000 (L) · Round 6,113 to the nearest thousand = 6000 (D) · Round 452 to the nearest hundred = 500 (F) · Round 855 to the nearest hundred = 900 (P) · Round 83 to the nearest ten = 80 (W) · Round 435 to the nearest hundred = 400 (T) · Round 340 to the nearest hundred = 300 (O) · Round 26 to the nearest ten = 30 (R) · Round 4,993 to the nearest thousand = 5000 (H) · Round 9,461 to the nearest thousand = 9000 (I)

Clue 3 (Addition): "THE VILLAIN SNEEZED FROM PEPPER DUST"

$115 + 233 = 348$ (T) · $155 + 317 = 472$ (N) · $465 + 359 = 824$ (U) · $253 + 259 = 512$ (Z) · $409 + 264 = 673$ (L) · $129 + 96 = 225$ (I) · $226 + 250 = 476$ (E) · $216 + 184 = 400$ (V) · $278 + 405 = 683$ (R) · $525 + 409 = 934$ (F) · $381 + 366 = 747$ (A) · $100 + 213 = 313$ (O) · $246 + 159 = 405$ (M) · $281 + 640 = 921$ (D) · $361 + 607 = 968$ (S) · $626 + 333 = 959$ (H) · $231 + 184 = 415$ (P)

Clue 4 (Multiplication facts (1-12)): "A RED HAIR STRAND WAS LEFT ON THE VINE"

$12 \times 1 = 12$ (A) · $7 \times 10 = 70$ (F) · $4 \times 12 = 48$ (R) · $5 \times 11 = 55$ (O) · $11 \times 12 = 132$ (E) · $2 \times 11 = 22$ (H) · $6 \times 7 = 42$ (V) · $12 \times 12 = 144$ (T) · $5 \times 5 = 25$ (N) · $11 \times 11 = 121$ (S) · $11 \times 6 = 66$ (I) · $10 \times 5 = 50$ (L) · $7 \times 12 = 84$ (D) · $11 \times 7 = 77$ (W)

Clue 5 (Division facts (1-12)): surviving statement is box 2 → Cleo Young

$24 \div 4 = 6$ · $16 \div 2 = 8$ · $9 \div 9 = 1$ · $9 \div 1 = 9$ · $44 \div 4 = 11$ · $18 \div 6 = 3$ · $72 \div 6 = 12$ · $55 \div 11 = 5$ · $40 \div 10 = 4$ · $50 \div 5 = 10$ · $28 \div 4 = 7$