The Treehouse Treasure Mystery

Grade 1 math · Addition, Subtraction, Multiplication, Skip counting, Division · Reading level grades 1-2

Detective: _____ **Date:** _____

Someone snuck into the camp treehouse and took the golden compass! The campers need to solve the clues, find the villain, and save the camp treasure.

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 Treehouse Thief is _____

Possible suspects

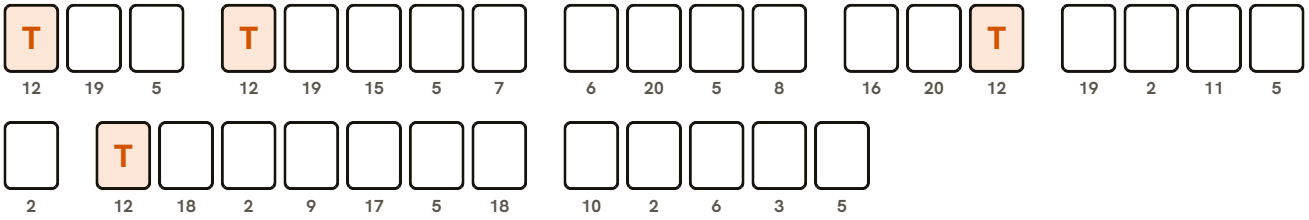
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	MAIN TOOL	CAMP BADGE	HAND USED	CAP COLOR	SCARED BY
Toby Trail	Jungle Map	Climber Badge	Left Handed	Green Cap	Squeaky Duck
Ian Ivy	Rope Ladder	Trail Badge	Left Handed	Red Cap	Loud Whistle
Piper Pine	Rope Ladder	Climber Badge	Right Handed	Red Cap	Loud Whistle
Penny Peak	Camp Lantern	Tracker Badge	Left Handed	Blue Cap	Loud Whistle
Lulu Log	Brass Spyglass	Tracker Badge	Left Handed	Red Cap	Loud Whistle
Daisy Birch	Camp Lantern	River Badge	Right Handed	Blue Cap	Bright Light
Nina Nest	Camp Lantern	Climber Badge	Left Handed	Red Cap	Loud Whistle
Benny Fern	Rope Ladder	Explorer Badge	Right Handed	Blue Cap	Bright Light
Eli Eco	Jungle Map	Trail Badge	Left Handed	Green Cap	Loud Whistle
Maya Moss	Camp Lantern	Climber Badge	Right Handed	Blue Cap	Loud Whistle
Holly Hill	Brass Spyglass	Climber Badge	Left Handed	Blue Cap	Bright Light
Jade Willow	Pocket Compass	Climber Badge	Left Handed	Blue Cap	Bright Light
Leo Leaf	Rope Ladder	River Badge	Left Handed	Red Cap	Squeaky Duck
Cody Creek	Rope Ladder	Trail Badge	Left Handed	Blue Cap	Loud Whistle
Gabe Grove	Jungle Map	Trail Badge	Right Handed	Blue Cap	Squeaky Duck
Kai Cedar	Camp Lantern	Trail Badge	Right Handed	Green Cap	Bright Light
Fiona Fox	Jungle Map	Trail Badge	Left Handed	Green Cap	Squeaky Duck
Zack River	Jungle Map	Explorer Badge	Right Handed	Red Cap	Squeaky Duck
Ruby Ridge	Rope Ladder	Tracker Badge	Right Handed	Blue Cap	Squeaky Duck
Milo Mud	Brass Spyglass	Trail Badge	Left Handed	Red Cap	Loud Whistle
Finn Forest	Rope Ladder	River Badge	Left Handed	Red Cap	Loud Whistle

CLUE 1 Addition

You count the wooden steps added to the ladder to find a hidden note.

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



6 + 6 = ☐ → T

5 + 5 = ☐ → B

8 + 7 = ☐ → I

6 + 5 = ☐ → V

9 + 11 = ☐ → O

3 + 2 = ☐ → E

5 + 14 = ☐ → H

5 + 11 = ☐ → N

10 + 8 = ☐ → R

6 + 2 = ☐ → S

10 + 7 = ☐ → K

7 + 2 = ☐ → C

2 + 4 = ☐ → D

2 + 5 = ☐ → F

1 + 2 = ☐ → G

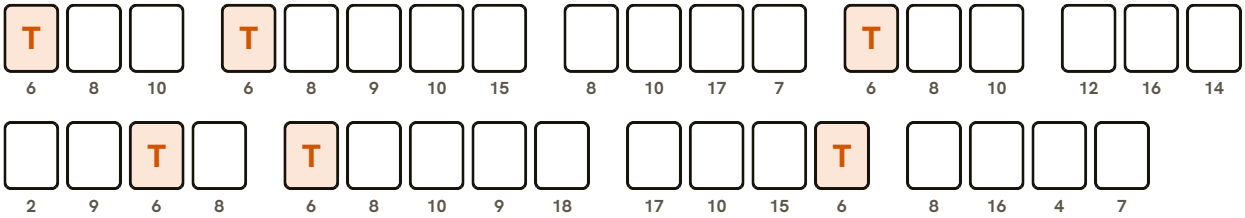
1 + 1 = ☐ → A

Scratch space:

CLUE 2 Subtraction

You subtract the broken sticks from the pile to clear the path.

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



8 - 2 = ☐ → T

4 - 2 = ☐ → W

19 - 9 = ☐ → E

18 - 3 = ☐ → F

17 - 3 = ☐ → P

13 - 1 = ☐ → M

20 - 3 = ☐ → L

19 - 1 = ☐ → R

13 - 9 = ☐ → N

18 - 2 = ☐ → A

12 - 5 = ☐ → D

15 - 6 = ☐ → I

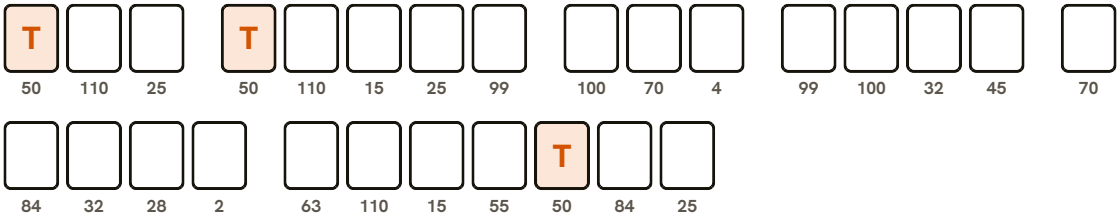
11 - 3 = ☐ → H

Scratch space:

CLUE 3 Multiplication facts (1-12)

> You check equal rows of footprints in the soft mud near the camp.

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



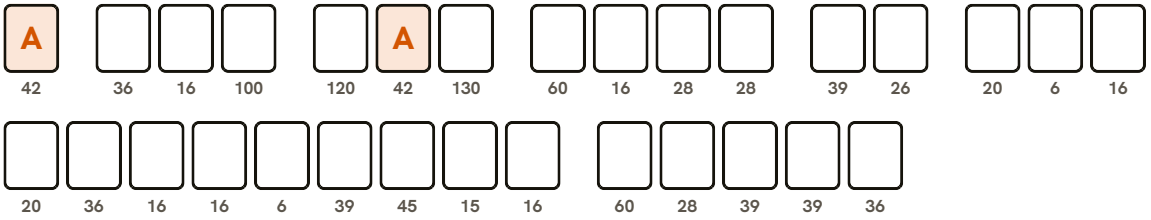
5 × 10 = ☐ → T	9 × 7 = ☐ → W	10 × 11 = ☐ → H
10 × 10 = ☐ → R	2 × 1 = ☐ → D	1 × 4 = ☐ → N
5 × 11 = ☐ → S	9 × 5 = ☐ → M	5 × 3 = ☐ → I
12 × 7 = ☐ → L	11 × 9 = ☐ → F	5 × 5 = ☐ → E
8 × 4 = ☐ → O	7 × 10 = ☐ → A	4 × 7 = ☐ → U

Scratch space:

CLUE 4 Skip counting

You skip count by twos along the stepping stones across the creek.

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



Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, ___, 45, 48 ☐ → A

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, ___, 18, 20 ☐ → E

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, ___, 140, 150 ☐ → P

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, ___, 50, 55 ☐ → U

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

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, ___, 110, 120 ☐ → D

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, ___, 42, 45 ☐ → O

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, ___, 18, 21 ☐ → S

Skip-count by 2s. Fill the blank: 2, 4, ___, 8, 10 ☐ → H

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

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

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, ___, 22, 24 ☐ → T

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, ___, 70, 80 ☐ → F

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, ___, 130, 140 ☐ → C

Scratch space:

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

> You share the berry snacks equally among the scouts to get extra clues.

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:

42 ÷ 7 = ☐	21 ÷ 7 = ☐	10 ÷ 10 = ☐	88 ÷ 8 = ☐	5 ÷ 1 = ☐
40 ÷ 10 = ☐	50 ÷ 5 = ☐	36 ÷ 3 = ☐	108 ÷ 12 = ☐	35 ÷ 5 = ☐
24 ÷ 12 = ☐				

Step 2 - cross out the sentence with each answer:

1. The villain looked through a brass spyglass, then pinned on a trail badge.
2. The villain read a jungle map, then flashed a climber badge.
3. The villain climbed with a rope ladder, then pinned on a trail badge.
4. The villain read a jungle map, then showed an explorer badge.
5. The villain looked through a brass spyglass, then wore a tracker badge.
6. The villain climbed with a rope ladder, then earned a river badge.
7. The villain lit a camp lantern, then earned a river badge.
8. The villain lit a camp lantern, then flashed a climber badge.
9. The villain climbed with a rope ladder, then flashed a climber badge.
10. The villain looked through a brass spyglass, then showed an explorer badge.
11. The villain looked through a brass spyglass, then earned a river badge.
12. The villain lit a camp lantern, then pinned on a trail badge.

TEACHER / PARENT

Answer Key

The Treehouse Treasure Mystery

Culprit: Nina Nest

Camp Lantern · Climber Badge · Left Handed · Red Cap · Loud Whistle

Trail: Start 21 → Clue 1 18 → Clue 2 11 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE THIEF DOES NOT HAVE A TRACKER BADGE"

6 + 6 = 12 (T) · 5 + 5 = 10 (B) · 8 + 7 = 15 (I) · 6 + 5 = 11 (V) · 9 + 11 = 20 (O) · 3 + 2 = 5 (E) · 5 + 14 = 19 (H) · 5 + 11 = 16 (N) · 10 + 8 = 18 (R) · 6 + 2 = 8 (S) · 10 + 7 = 17 (K) · 7 + 2 = 9 (C) · 2 + 4 = 6 (D) · 2 + 5 = 7 (F) · 1 + 2 = 3 (G) · 1 + 1 = 2 (A)

Clue 2 (Subtraction): "THE THIEF HELD THE MAP WITH THEIR LEFT HAND"

8 - 2 = 6 (T) · 4 - 2 = 2 (W) · 19 - 9 = 10 (E) · 18 - 3 = 15 (F) · 17 - 3 = 14 (P) · 13 - 1 = 12 (M) · 20 - 3 = 17 (L) · 19 - 1 = 18 (R) · 13 - 9 = 4 (N) · 18 - 2 = 16 (A) · 12 - 5 = 7 (D) · 15 - 6 = 9 (I) · 11 - 3 = 8 (H)

Clue 3 (Multiplication facts (1-12)): "THE THIEF RAN FROM A LOUD WHISTLE"

5 × 10 = 50 (T) · 9 × 7 = 63 (W) · 10 × 11 = 110 (H) · 10 × 10 = 100 (R) · 2 × 1 = 2 (D) · 1 × 4 = 4 (N) · 5 × 11 = 55 (S) · 9 × 5 = 45 (M) · 5 × 3 = 15 (I) · 12 × 7 = 84 (L) · 11 × 9 = 99 (F) · 5 × 5 = 25 (E) · 8 × 4 = 32 (O) · 7 × 10 = 70 (A) · 4 × 7 = 28 (U)

Clue 4 (Skip counting): "A RED CAP FELL ON THE TREEHOUSE FLOOR"

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, ___, 45, 48 = 42 (A) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, ___, 18, 20 = 16 (E) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, ___, 140, 150 = 130 (P) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, ___, 50, 55 = 45 (U) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, ___, 30, 32 = 28 (L) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, ___, 110, 120 = 100 (D) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, ___, 42, 45 = 39 (O) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, ___, 18, 21 = 15 (S) · Skip-count by 2s. Fill the blank: 2, 4, ___, 8, 10 = 6 (H) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, ___, 39, 42 = 36 (R) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, ___, 28, 30 = 26 (N) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, ___, 22, 24 = 20 (T) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, ___, 70, 80 = 60 (F) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, ___, 130, 140 = 120 (C)

Clue 5 (Division facts (1-12)): surviving statement is box 8 → Nina Nest

42 ÷ 7 = 6 · 21 ÷ 7 = 3 · 10 ÷ 10 = 1 · 88 ÷ 8 = 11 · 5 ÷ 1 = 5 · 40 ÷ 10 = 4 · 50 ÷ 5 = 10 · 36 ÷ 3 = 12 · 108 ÷ 12 = 9 · 35 ÷ 5 = 7 · 24 ÷ 12 = 2