The Great Jungle Compass Caper

Grade 1 math · Addition, Subtraction, Skip counting, Place value, Missing addends · Reading level grades 1-2

Detective: _____ **Date:** _____

Someone took the golden compass from Camp Sun! Help the camp explorers find the 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 Island Bandit is _____

Possible suspects

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

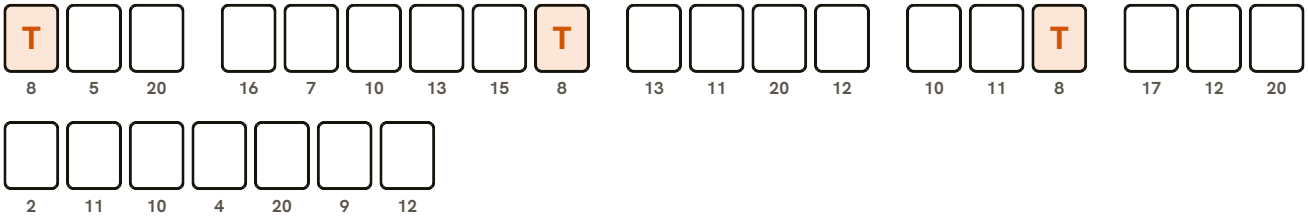
NAME	JUNGLE TOOL	ANIMAL PAL	DOMINANT HAND	HEADWEAR	SECRET TRAP
Kai	Golden Net	Sea Turtles	Right Handed	Sun Hat	Loud Whistles
Nora	Rope Launcher	Parrots	Right Handed	Sun Hat	Loud Whistles
Emma	Magic Compass	Tree Frogs	Right Handed	Sun Hat	Shiny Mirrors
Chloe	Golden Net	Fruit Bats	Right Handed	Sun Hat	Shiny Mirrors
Mia	Super Flashlight	Fruit Bats	Left Handed	Red Bandana	Loud Whistles
Liam	Magic Compass	Monkeys	Right Handed	Sun Hat	Shiny Mirrors
Noah	Super Flashlight	Parrots	Right Handed	Sun Hat	Shiny Mirrors
Sam	Rope Launcher	Parrots	Left Handed	Sun Hat	Shiny Mirrors
Grace	Rope Launcher	Monkeys	Right Handed	Red Bandana	Shiny Mirrors
Cole	Magic Compass	Monkeys	Left Handed	Red Bandana	Loud Whistles
Lily	Rope Launcher	Fruit Bats	Left Handed	Red Bandana	Shiny Mirrors
Ruby	Magic Compass	Fruit Bats	Left Handed	Sun Hat	Shiny Mirrors
Toby	Map Decoder	Fruit Bats	Right Handed	Sun Hat	Sweet Bananas
Maya	Super Flashlight	Sea Turtles	Left Handed	Blue Cap	Shiny Mirrors
Zoe	Map Decoder	Sea Turtles	Right Handed	Sun Hat	Loud Whistles
Leo	Golden Net	Monkeys	Left Handed	Red Bandana	Sweet Bananas
Ava	Map Decoder	Fruit Bats	Right Handed	Blue Cap	Shiny Mirrors
Owen	Map Decoder	Sea Turtles	Right Handed	Red Bandana	Loud Whistles
Ivy	Magic Compass	Fruit Bats	Left Handed	Red Bandana	Shiny Mirrors
Jack	Super Flashlight	Monkeys	Left Handed	Red Bandana	Shiny Mirrors
Luke	Magic Compass	Sea Turtles	Right Handed	Sun Hat	Shiny Mirrors

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CLUE 1 Addition

We add up the gold coins left on the trail to unlock our first clue.

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



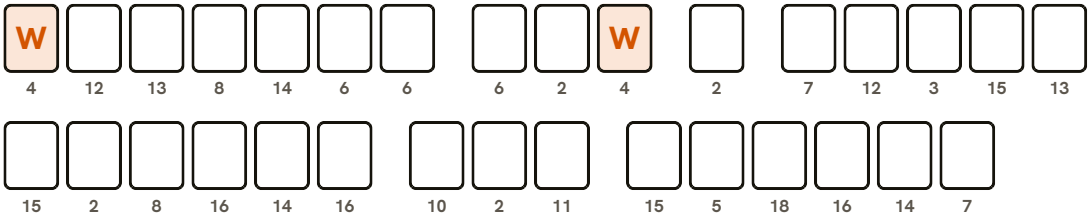
4 + 4 = ☐ → T	1 + 1 = ☐ → M	7 + 3 = ☐ → N	6 + 5 = ☐ → O
4 + 9 = ☐ → D	5 + 7 = ☐ → S	4 + 3 = ☐ → A	2 + 2 = ☐ → K
10 + 7 = ☐ → U	8 + 12 = ☐ → E	6 + 9 = ☐ → I	
4 + 12 = ☐ → B	3 + 2 = ☐ → H	5 + 4 = ☐ → Y	

Scratch space:

CLUE 2 Subtraction

We subtract the fallen leaves from the pile to read the next clue.

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



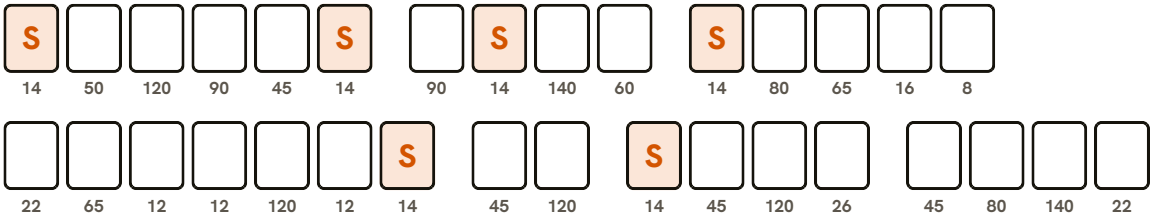
13 - 9 = ☐ → W	4 - 2 = ☐ → A	15 - 9 = ☐ → S	20 - 8 = ☐ → I
14 - 1 = ☐ → T	15 - 5 = ☐ → M	8 - 5 = ☐ → G	19 - 1 = ☐ → L
19 - 4 = ☐ → H	12 - 1 = ☐ → P	8 - 1 = ☐ → R	19 - 3 = ☐ → D
10 - 2 = ☐ → N	12 - 7 = ☐ → O	18 - 4 = ☐ → E	

Scratch space:

CLUE 3 Skip counting

We count by twos along the stepping stones to find another clue.

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



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

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

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

Skip-count by 3s. Fill the blank: 3, 6, 9, ___, 15, 18 ☐ → R

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

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, ___, 150, 160 ☐ → E

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, ___, 90, 100 ☐ → H

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, ___, 55, 60 ☐ → C

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

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

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

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, ___, 70, 75 ☐ → I

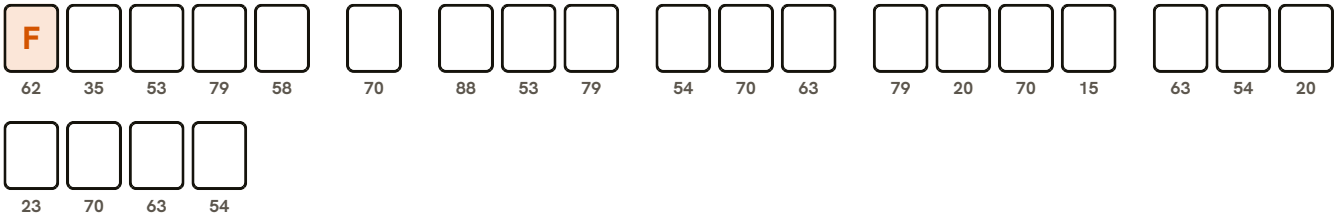
Skip-count by 2s. Fill the blank: 2, 4, 6, ___, 10, 12 [ ] → **Y**

Scratch space:

CLUE 4 Place value

We look at the tens and ones on the tree house door code.

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



What number has 6 tens and 2 ones? ☐ → F

What number has 2 tens and 0 ones? ☐ → E

What number has 2 tens and 3 ones? ☐ → P

What number has 7 tens and 9 ones? ☐ → N

What number has 5 tens and 8 ones? ☐ → D

What number has 5 tens and 4 ones? ☐ → H

What number has 5 tens and 3 ones? ☐ → U

What number has 6 tens and 3 ones? ☐ → T

What number has 1 ten and 5 ones? ☐ → R

What number has 8 tens and 8 ones? ☐ → S

What number has 3 tens and 5 ones? ☐ → O

What number has 7 tens and 0 ones? ☐ → A

Scratch space:

CLUE 5 Missing addends - the last clue

We figure out how many missing berries fill the box to get 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:

5 + ___ = 8 ☐	7 + ___ = 16 ☐	9 + ___ = 11 ☐	1 + ___ = 7 ☐
4 + ___ = 11 ☐	8 + ___ = 20 ☐	5 + ___ = 16 ☐	9 + ___ = 17 ☐
4 + ___ = 8 ☐	1 + ___ = 11 ☐	3 + ___ = 4 ☐	

Step 2 - cross out the sentence with each answer:

1. The villain swiped the scout badge, then paddled down the river.
2. The villain stole the jungle map, then paddled down the river.
3. The villain took the golden compass, then hid inside the hollow log.
4. The villain took the golden compass, then dashed over the rope bridge.
5. The villain stole the jungle map, then dashed over the rope bridge.
6. The villain swiped the scout badge, then dashed over the rope bridge.
7. The villain grabbed the secret key, then paddled down the river.
8. The villain swiped the scout badge, then ran past the parrot tree.
9. The villain grabbed the secret key, then ran past the parrot tree.
10. The villain grabbed the secret key, then zipped down the vine.
11. The villain swiped the scout badge, then hid inside the hollow log.
12. The villain snapped the camp flag, then hid inside the hollow log.

TEACHER / PARENT

Answer Key

The Great Jungle Compass Caper

Culprit: Emma

Magic Compass · Tree Frogs · Right Handed · Sun Hat · Shiny Mirrors

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

Clue 1 (Addition): "THE BANDIT DOES NOT USE MONKEYS"

4 + 4 = 8 (T) · 1 + 1 = 2 (M) · 7 + 3 = 10 (N) · 6 + 5 = 11 (O) · 4 + 9 = 13 (D) · 5 + 7 = 12 (S) · 4 + 3 = 7 (A) · 2 + 2 = 4 (K) · 10 + 7 = 17 (U) · 8 + 12 = 20 (E) · 6 + 9 = 15 (I) · 4 + 12 = 16 (B) · 3 + 2 = 5 (H) · 5 + 4 = 9 (Y)

Clue 2 (Subtraction): "WITNESS SAW A RIGHT HANDED MAP HOLDER"

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

Clue 3 (Skip counting): "SCOUTS USED SHINY MIRRORS TO STOP THEM"

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, ___, 16, 18 = 14 (S) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, ___, 24, 26 = 22 (M) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, ___, 18, 20 = 16 (N) · Skip-count by 3s. Fill the blank: 3, 6, 9, ___, 15, 18 = 12 (R) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, ___, 100, 110 = 90 (U) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, ___, 150, 160 = 140 (E) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, ___, 90, 100 = 80 (H) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, ___, 55, 60 = 50 (C) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, ___, 28, 30 = 26 (P) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, ___, 130, 140 = 120 (O) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, ___, 50, 55 = 45 (T) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, ___, 70, 80 = 60 (D) · 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 2s. Fill the blank: 2, 4, 6, ___, 10, 12 = 8 (Y)

Clue 4 (Place value): "FOUND A SUN HAT NEAR THE PATH"

What number has 6 tens and 2 ones? = 62 (F) · What number has 2 tens and 0 ones? = 20 (E) · What number has 2 tens and 3 ones? = 23 (P) · What number has 7 tens and 9 ones? = 79 (N) · What number has 5 tens and 8 ones? = 58 (D) · What number has 5 tens and 4 ones? = 54 (H) · What number has 5 tens and 3 ones? = 53 (U) · What number has 6 tens and 3 ones? = 63 (T) · What number has 1 ten and 5 ones? = 15 (R) · What number has 8 tens and 8 ones? = 88 (S) · What number has 3 tens and 5 ones? = 35 (O) · What number has 7 tens and 0 ones? = 70 (A)

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

5 + ___ = 8 = 3 · 7 + ___ = 16 = 9 · 9 + ___ = 11 = 2 · 1 + ___ = 7 = 6 · 4 + ___ = 11 = 7 · 8 + ___ = 20 = 12 · 5 + ___ = 16 = 11 · 9 + ___ = 17 = 8 · 4 + ___ = 8 = 4 · 1 + ___ = 11 = 10 · 3 + ___ = 4 = 1