



The Great Summer Camp Caper

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

Detective: _____ **Date:** _____

The legendary Golden Pinecone trophy has vanished from the main lodge! Camp Director Higgins is in a panic. A clever Camp Prankster has hidden it somewhere on the island. We must solve the puzzles on the trails to find the culprit!

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 Camp Prankster is _____

Possible suspects

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

NAME	FAVORITE CAMP ACTIVITY	EARNED CAMP BADGE	FLASHLIGHT GRIP	CAMP HEADWEAR	CAMP NUISANCE
Jane Goodall	kayak racing	nature guide	left handed flashlight	red sun visor	hates camp stew
Dora Marquez	kayak racing	expert climber	left handed flashlight	green camp cap	allergic to pollen
Bear Grylls	archery	craft master	left handed flashlight	red sun visor	allergic to pollen
Nancy Drew	knot tying	craft master	right handed flashlight	red sun visor	fear of frogs
Sherlock Holmes	campfire guitar	trail blazer	right handed flashlight	red sun visor	hates camp stew
Huckleberry Finn	kayak racing	star gazer	left handed flashlight	blue bandana	hates camp stew
Robin Hood	campfire guitar	craft master	right handed flashlight	red sun visor	hates camp stew
Indiana Jones	campfire guitar	star gazer	right handed flashlight	red sun visor	hates camp stew
Phileas Fogg	kayak racing	craft master	right handed flashlight	red sun visor	fear of frogs
Amelia Earhart	campfire guitar	nature guide	right handed flashlight	red sun visor	hates camp stew
Peter Pan	knot tying	craft master	left handed flashlight	blue bandana	fear of frogs
Sacagawea	kayak racing	star gazer	right handed flashlight	blue bandana	hates camp stew
Daniel Boone	archery	craft master	left handed flashlight	red sun visor	hates camp stew
Percy Jackson	campfire guitar	craft master	right handed flashlight	blue bandana	hates camp stew
Jacques Cousteau	campfire guitar	expert climber	right handed flashlight	red sun visor	fear of frogs
Marco Polo	map reading	craft master	right handed flashlight	red sun visor	hates camp stew
Wendy Darling	kayak racing	expert climber	right handed flashlight	blue bandana	hates camp stew
Tom Sawyer	map reading	craft master	right handed flashlight	green camp cap	allergic to pollen
Neil Armstrong	map reading	nature guide	left handed flashlight	green camp cap	hates camp stew
Sally Ride	campfire guitar	craft master	right handed flashlight	green camp cap	allergic to pollen
Nellie Bly	map reading	nature guide	right handed flashlight	blue bandana	hates camp stew

CLUE 1

The camp store was rummaged through. We found a notebook tallying the stolen snack bars. If we add up the chocolate bars and oat bars, we can open the locked drawer for Clue One.

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

$$6171 + 2980 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$4032 + 2498 = \boxed{} \rightarrow \boxed{\text{R}}$$

$$1989 + 1385 = \boxed{} \rightarrow \boxed{\text{K}}$$

$$2939 + 3893 = \boxed{} \rightarrow \boxed{\text{P}}$$

$$5020 + 3959 = \boxed{} \rightarrow \boxed{\text{I}}$$

$5211 + 2897 = \boxed{} \rightarrow \boxed{\text{G}}$

$4955 + 2245 = \boxed{} \rightarrow \boxed{\text{E}}$

$6609 + 2842 = \boxed{} \rightarrow \boxed{\text{S}}$

$$1985 + 2855 = \boxed{} \rightarrow \boxed{\text{H}}$$

$1333 + 1483 = \boxed{} \rightarrow \boxed{\text{Z}}$

$5849 + 3407 = \boxed{} \rightarrow \boxed{\text{N}}$

$$2343 + 1783 = \boxed{} \rightarrow \boxed{\text{A}}$$

$1213 + 1189 = \boxed{} \rightarrow \boxed{0}$

Scratch space:

CLUE 2

We checked the canoe dock. Someone untied a bunch of canoes, and several drifted away down the river. Subtract the missing canoes from the starting fleet to unlock Clue Two.

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

Diagram showing the arrangement of 20 numbered boxes in two rows. The top row has 10 boxes, and the bottom row has 10 boxes. The boxes are numbered 7460, 3240, 8945, 8675, 8783, 8675, 1070, 2635, 6034, 5800, 6034, 8945, 7460, 3240, 3407, 8664, 2172, 3397, 2635, 6034. The boxes with numbers 7460, 8675, and 8783 are highlighted in orange.

$$7855 - 395 = \boxed{} \rightarrow \boxed{\text{R}}$$

$3548 - 2478 = \square \rightarrow \boxed{\text{A}}$

$11866 - 3202 = \boxed{} \rightarrow \boxed{\text{F}}$

$$8681 - 6 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$10845 - 1900 = \boxed{} \rightarrow \boxed{\text{G}}$$

$$6401 - 367 = \boxed{} \rightarrow \boxed{\text{D}}$$

13394 - 4611 = →

$$4122 - 715 = \boxed{} \rightarrow \boxed{\text{P}}$$

$$10271 - 4471 = \boxed{} \rightarrow \boxed{\text{E}}$$

$$5861 - 3689 = \boxed{} \rightarrow \boxed{0}$$

$$7340 - 4100 = \boxed{} \rightarrow \boxed{\text{I}}$$

$$6035 - 2638 = \boxed{} \rightarrow \boxed{\text{U}}$$

$$6474 - 3839 = \boxed{} \rightarrow \boxed{\text{N}}$$

$7375 - 2609 = \boxed{} \rightarrow \boxed{\text{C}}$

Scratch space:

CLUE 3
Multiplication facts (1-12)

At the archery range, arrows are stuck in equal rows on the target boards. Multiply the rows of arrows by the columns to decipher the secret code for Clue Three.

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

L								L											
63	20	16	77	144	15	99	9	63	99	16	21	144	132	28	12	77	20	9	
70	84	77	99	70	21	108	20	32											

$9 \times 7 = \square \rightarrow \text{L}$	$7 \times 11 = \square \rightarrow \text{T}$	$9 \times 12 = \square \rightarrow \text{H}$	
$7 \times 4 = \square \rightarrow \text{P}$	$2 \times 6 = \square \rightarrow \text{S}$	$3 \times 7 = \square \rightarrow \text{C}$	$11 \times 9 = \square \rightarrow \text{O}$
$3 \times 5 = \square \rightarrow \text{B}$	$12 \times 11 = \square \rightarrow \text{M}$	$7 \times 10 = \square \rightarrow \text{U}$	
$12 \times 7 = \square \rightarrow \text{N}$	$12 \times 12 = \square \rightarrow \text{A}$	$1 \times 9 = \square \rightarrow \text{W}$	
$4 \times 8 = \square \rightarrow \text{D}$	$2 \times 8 = \square \rightarrow \text{F}$	$4 \times 5 = \square \rightarrow \text{E}$	

Scratch space:

CLUE 4 Skip counting

We found muddy bootprints spaced out along the nature trail. Skip count by fives along the numbered stepping stones to find where the trail leads and get Clue Four.

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

L																
30	130	8	27	42	9	130	45	60	21	55	40	22	60	26	9	70 140
27	20	130	45	26	6	25										

Skip-count by 10s. Fill the blank: 10, 20, __, 40, 50 → **L**

Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 → **R**

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

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, __, 8, 10 → **C**

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

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, __, 30, 33 → **T**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, __, 24, 27 → **U**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 → **D**

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, __, 45, 50 → **V**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, __, 60, 65 → **N**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, __, 75, 80 → **B**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, __, 65, 70 → **S**

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

Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 → **F**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, __, 30, 35 → **K**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, __, 22, 24 → **H**

Scratch space:

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

The prankster left a box of compasses to share among the search teams. Divide the total compasses equally among the camp cabins to reveal the final Clue Five.

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:

$20 \div 4 = \boxed{}$

$28 \div 7 = \boxed{}$

$12 \div 1 = \boxed{}$

$84 \div 12 = \boxed{}$

$9 \div 1 = \boxed{}$

$16 \div 8 = \boxed{}$

$66 \div 11 = \boxed{}$

$99 \div 9 = \boxed{}$

$5 \div 5 = \boxed{}$

$9 \div 3 = \boxed{}$

$90 \div 9 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain tied up the cabinet with rope, then ran through the deep woods.
2. The villain played a loud distracting song, then searched the starry night sky.
3. The villain took a shortcut using a secret map, then ran through the deep woods.
4. The villain played a loud distracting song, then marked a fake path on the ground.
5. The villain played a loud distracting song, then ran through the deep woods.
6. The villain tied up the cabinet with rope, then searched the starry night sky.
7. The villain paddled away in a sneaky kayak, then ran through the deep woods.
8. The villain took a shortcut using a secret map, then glued the door shut with glue.
9. The villain paddled away in a sneaky kayak, then marked a fake path on the ground.
10. The villain took a shortcut using a secret map, then searched the starry night sky.
11. The villain tied up the cabinet with rope, then glued the door shut with glue.
12. The villain played a loud distracting song, then glued the door shut with glue.

Answer Key

The Great Summer Camp Caper

Culprit: Marco Polo

map reading · craft master · right handed flashlight · red sun visor · hates camp stew

Trail: Start 21 → Clue 1 18 → Clue 2 12 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE PRANKSTER IS NOT A STAR GAZER"

$6171 + 2980 = 9151$ (T) · $4032 + 2498 = 6530$ (R) · $1989 + 1385 = 3374$ (K) · $2939 + 3893 = 6832$ (P) · $5020 + 3959 = 8979$ (I) · $5211 + 2897 = 8108$ (G) · $4955 + 2245 = 7200$ (E) · $6609 + 2842 = 9451$ (S) · $1985 + 2855 = 4840$ (H) · $1333 + 1483 = 2816$ (Z) · $5849 + 3407 = 9256$ (N) · $2343 + 1783 = 4126$ (A) · $1213 + 1189 = 2402$ (O)

Clue 2 (Subtraction): "RIGHT HANDED GRIP FOUND ON THE TORCH"

$7855 - 395 = 7460$ (R) · $3548 - 2478 = 1070$ (A) · $11866 - 3202 = 8664$ (F) · $8681 - 6 = 8675$ (H) · $10845 - 1900 = 8945$ (G) · $6401 - 367 = 6034$ (D) · $13394 - 4611 = 8783$ (T) · $4122 - 715 = 3407$ (P) · $10271 - 4471 = 5800$ (E) · $5861 - 3689 = 2172$ (O) · $7340 - 4100 = 3240$ (I) · $6035 - 2638 = 3397$ (U) · $6474 - 3839 = 2635$ (N) · $7375 - 2609 = 4766$ (C)

Clue 3 (Multiplication facts (1-12)): "LEFT A BOWL OF CAMP STEW UNTOUCHED"

$9 \times 7 = 63$ (L) · $7 \times 11 = 77$ (T) · $9 \times 12 = 108$ (H) · $7 \times 4 = 28$ (P) · $2 \times 6 = 12$ (S) · $3 \times 7 = 21$ (C) · $11 \times 9 = 99$ (O) · $3 \times 5 = 15$ (B) · $12 \times 11 = 132$ (M) · $7 \times 10 = 70$ (U) · $12 \times 7 = 84$ (N) · $12 \times 12 = 144$ (A) · $1 \times 9 = 9$ (W) · $4 \times 8 = 32$ (D) · $2 \times 8 = 16$ (F) · $4 \times 5 = 20$ (E)

Clue 4 (Skip counting): "LEFT A RED SUN VISOR BY THE DOCK"

Skip-count by 10s. Fill the blank: 10, 20, __, 40, 50 = 30 (L) · Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 = 9 (R) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, __, 28, 30 = 26 (O) · 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, __, 8, 10 = 6 (C) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, __, 24, 26 = 22 (I) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, __, 30, 33 = 27 (T) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, __, 24, 27 = 21 (U) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 = 45 (D) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, __, 150, 160 = 140 (Y) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, __, 45, 50 = 40 (V) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, __, 60, 65 = 55 (N) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, __, 65, 70 = 70 (B) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, __, 65, 70 = 60 (S) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 = 130 (E) · Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 = 8 (F) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, __, 30, 35 = 25 (K) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, __, 22, 24 = 20 (H)

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

$20 \div 4 = 5$ · $28 \div 7 = 4$ · $12 \div 1 = 12$ · $84 \div 12 = 7$ · $9 \div 1 = 9$ · $16 \div 8 = 2$ · $66 \div 11 = 6$ · $99 \div 9 = 11$ · $5 \div 5 = 1$ · $9 \div 3 = 3$ · $90 \div 9 = 10$