



The Secret of the Emerald Monkey Temple

Grade 5 math · Addition, Subtraction, Multiplication, Skip counting, Division · Reading level grades 5-6

Detective: _____ **Date:** _____

The golden artifact of the Emerald Monkey Temple has vanished from the base camp! A rogue explorer sneaked past the camp guards, swiped the ancient relic, and escaped into the dense canopy. Chief Curator Higgins needs your help to track the thief down before they board a plane out of the jungle!

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 rogue explorer is _____

Possible suspects

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

NAME	EXPLORER TOOL	ADVENTURE GEAR	OBSERVED STANCE	HAIR COLOR	PHOBIA OR DISLIKE
Jack	decoder ring	compass	right-handed stance	jet black hair	scared of spiders
Hudson	binoculars	cargo vest	left-handed stance	bright red hair	scared of spiders
Nellie	decoder ring	safari hat	right-handed stance	jet black hair	dislikes mosquitoes
Arthur	jungle map	hiking boots	left-handed stance	jet black hair	dislikes mosquitoes
Wyatt	jungle map	backpack	left-handed stance	dusty brown hair	dislikes mosquitoes
Marco	binoculars	backpack	left-handed stance	jet black hair	scared of spiders
Hazel	grappling hook	hiking boots	left-handed stance	bright red hair	afraid of heights
Leo	machete	hiking boots	left-handed stance	jet black hair	scared of spiders
Evie	decoder ring	hiking boots	left-handed stance	jet black hair	scared of spiders
Amelia	grappling hook	compass	right-handed stance	dusty brown hair	dislikes mosquitoes
Cleo	jungle map	cargo vest	left-handed stance	jet black hair	scared of spiders
Penny	machete	hiking boots	right-handed stance	jet black hair	scared of spiders
Darwin	binoculars	hiking boots	right-handed stance	dusty brown hair	dislikes mosquitoes
Indy	binoculars	hiking boots	left-handed stance	bright red hair	afraid of heights
Freya	binoculars	cargo vest	left-handed stance	bright red hair	dislikes mosquitoes
Steve	machete	compass	left-handed stance	dusty brown hair	afraid of heights
Daisy	machete	compass	left-handed stance	jet black hair	scared of spiders
Brody	decoder ring	cargo vest	right-handed stance	dusty brown hair	scared of spiders
Percy	decoder ring	backpack	left-handed stance	jet black hair	afraid of heights
Maya	binoculars	safari hat	right-handed stance	jet black hair	scared of spiders
Carter	machete	backpack	left-handed stance	bright red hair	dislikes mosquitoes

CLUE 1 Addition

We found the camp supply tent rummaged through. By adding up the remaining flashlights and sleeping bags, we figured out exactly what gear the rogue explorer stole. This clue narrows down their extra gear.

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



$$2199 + 1222 = \boxed{} \rightarrow \boxed{\text{T}}$$

$3199 + 5020 = \boxed{} \rightarrow \boxed{\text{F}}$

$1242 + 1981 = \boxed{} \rightarrow \boxed{\text{E}}$

$$1377 + 1346 = \boxed{} \rightarrow \boxed{\text{I}}$$

$$3542 + 4544 = \boxed{} \rightarrow \boxed{0}$$

$1914 + 3157 = \boxed{} \rightarrow \boxed{\text{P}}$

$1019 + 1326 = \boxed{} \rightarrow \boxed{\text{S}}$

$2870 + 2050 = \boxed{} \rightarrow \boxed{\text{M}}$

$2582 + 2292 = \boxed{} \rightarrow \boxed{\mathbf{A}}$

$$4322 + 2317 = \boxed{} \rightarrow \boxed{\text{H}}$$

$3993 + 5198 = \boxed{} \rightarrow \boxed{\text{C}}$

$5092 + 4288 = \boxed{} \rightarrow \boxed{\text{D}}$

$$2148 + 2191 = \boxed{} \rightarrow \boxed{\mathbf{V}}$$

$$4241 + 3325 = \boxed{} \rightarrow \boxed{\text{N}}$$

Scratch space:

CLUE 2 Subtraction

The thief dropped several trail markers as they fled. If we subtract the markers we recovered from the total they started with, we can pinpoint which trail they took. This clue reveals the thief's tell.

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

T																	
7312	1936	4790	6703	7919	6703	6590	4790	2854	7312	2716	4078	5283	6590	6590	4790	2716	2082

1481	4790	3108	7312	1936	2082	2255	2716	4790	2716	5915	1481	5283	1264	4790

$12065 - 4753 = \square \rightarrow \text{[T]}$

$7209 - 4954 = \square \rightarrow \text{[N]}$

$5585 - 2869 = \square \rightarrow \text{[D]}$

$2622 - 686 = \square \rightarrow \text{[H]}$

$7264 - 674 = \square \rightarrow \text{[P]}$

$3476 - 1394 = \square \rightarrow \text{[A]}$

$5941 - 1863 = \square \rightarrow \text{[R]}$

$6792 - 877 = \square \rightarrow \text{[G]}$

$8416 - 3133 = \square \rightarrow \text{[O]}$

$5622 - 2768 = \square \rightarrow \text{[C]}$

$7274 - 4166 = \square \rightarrow \text{[F]}$

$5204 - 3723 = \square \rightarrow \text{[L]}$

$10660 - 2741 = \square \rightarrow \text{[U]}$

$3594 - 2330 = \square \rightarrow \text{[V]}$

$6266 - 1476 = \square \rightarrow \text{[E]}$

$7602 - 899 = \square \rightarrow \text{[S]}$

Scratch space:

CLUE 3

Multiplication facts (1-12)

The thief fled past the sacred orchard. By multiplying the rows of banana trees by the count in each row, we can calculate how many monkeys they disturbed. This clue shows what hair color we are looking for.

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

T															
45	96	36	15	90	20	14	20	84	20	15	21	90	70	44	20
96	20	90	44	8	36	35	35	35	63	56	121	36	90		

$9 \times 5 = \square \rightarrow \text{T}$

$4 \times 11 = \square \rightarrow \text{M}$

$3 \times 12 = \square \rightarrow \text{E}$

$2 \times 7 = \square \rightarrow \text{N}$

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

$12 \times 8 = \square \rightarrow \text{H}$

$3 \times 5 = \square \rightarrow \text{Y}$

$3 \times 7 = \square \rightarrow \text{F}$

$9 \times 10 = \square \rightarrow \text{R}$

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

$1 \times 8 = \square \rightarrow \text{L}$

$9 \times 7 = \square \rightarrow \text{P}$

$10 \times 2 = \square \rightarrow \text{A}$

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

$8 \times 7 = \square \rightarrow \text{I}$

$5 \times 7 = \square \rightarrow \text{S}$

Scratch space:

CLUE 4 Skip counting

To cross the dangerous swamp, the thief had to step only on safe carved stones in a numbered sequence. By skip counting along the stones, we found the path they used. This clue reveals their biggest weakness.

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

A						A				A				A	
20	14	27	55	15	33	20	40	120	22	20	110	140	6	20	42
	A							A							
40	20	130	50	22	55	35	70	20	9	110	70	27			

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

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, __, 18, 21 → **B**

Skip-count by 2s. Fill the blank: 2, 4, __, 8, 10 → **W**

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

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

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

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

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

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

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, __, 36, 39 → **L**

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

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

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, __, 40, 45 → **O**

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

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

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

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

Scratch space:

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

We recovered some ripped notebook pages from the thief's camp. When we divided the total number of pages equally among our team members, a secret message appeared! This final clue reveals the thief's main power.

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:

$132 \div 12 = \boxed{}$

$48 \div 4 = \boxed{}$

$48 \div 6 = \boxed{}$

$40 \div 4 = \boxed{}$

$2 \div 1 = \boxed{}$

$99 \div 11 = \boxed{}$

$12 \div 4 = \boxed{}$

$77 \div 11 = \boxed{}$

$12 \div 2 = \boxed{}$

$35 \div 7 = \boxed{}$

$2 \div 2 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain spotted the patrol route using binoculars, then navigated south using a brass compass.
2. The villain swung through the trees with a grappling hook, then navigated south using a brass compass.
3. The villain cleared a path using a sharp machete, then navigated south using a brass compass.
4. The villain spotted the patrol route using binoculars, then stuffed the heavy golden artifact into a canvas backpack.
5. The villain plotted a secret escape route using a jungle map, then left deep muddy tracks with hiking boots.
6. The villain swung through the trees with a grappling hook, then stuffed the heavy golden artifact into a canvas backpack.
7. The villain swung through the trees with a grappling hook, then dropped their dusty safari hat in the mud.
8. The villain unlocked the stone door with a decoder ring, then left deep muddy tracks with hiking boots.
9. The villain plotted a secret escape route using a jungle map, then dropped their dusty safari hat in the mud.
10. The villain unlocked the stone door with a decoder ring, then navigated south using a brass compass.
11. The villain cleared a path using a sharp machete, then left deep muddy tracks with hiking boots.
12. The villain plotted a secret escape route using a jungle map, then ripped their pocketed cargo vest on a branch.

Answer Key

The Secret of the Emerald Monkey Temple

Culprit: Marco

binoculars · backpack · left-handed stance · jet black hair · scared of spiders

Trail: Start 21 → Clue 1 17 → Clue 2 12 → Clue 3 5 → Clue 4 4 → Clue 5 1

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

$2199 + 1222 = 3421$ (T) · $3199 + 5020 = 8219$ (F) · $1242 + 1981 = 3223$ (E) · $1377 + 1346 = 2723$ (I) · $3542 + 4544 = 8086$ (O) · $1914 + 3157 = 5071$ (P) · $1019 + 1326 = 2345$ (S) · $2870 + 2050 = 4920$ (M) · $2582 + 2292 = 4874$ (A) · $4322 + 2317 = 6639$ (H) · $3993 + 5198 = 9191$ (C) · $5092 + 4288 = 9380$ (D) · $2148 + 2191 = 4339$ (V) · $4241 + 3325 = 7566$ (N)

Clue 2 (Subtraction): "THE SUSPECT DROPPED A LEFT HANDED GLOVE"

$12065 - 4753 = 7312$ (T) · $7209 - 4954 = 2255$ (N) · $5585 - 2869 = 2716$ (D) · $2622 - 686 = 1936$ (H) · $7264 - 674 = 6590$ (P) · $3476 - 1394 = 2082$ (A) · $5941 - 1863 = 4078$ (R) · $6792 - 877 = 5915$ (G) · $8416 - 3133 = 5283$ (O) · $5622 - 2768 = 2854$ (C) · $7274 - 4166 = 3108$ (F) · $5204 - 3723 = 1481$ (L) · $10660 - 2741 = 7919$ (U) · $3594 - 2330 = 1264$ (V) · $6266 - 1476 = 4790$ (E) · $7602 - 899 = 6703$ (S)

Clue 3 (Multiplication facts (1-12)): "THEY RAN AWAY FROM A HARMLESS SPIDER"

$9 \times 5 = 45$ (T) · $4 \times 11 = 44$ (M) · $3 \times 12 = 36$ (E) · $2 \times 7 = 14$ (N) · $11 \times 11 = 121$ (D) · $12 \times 8 = 96$ (H) · $3 \times 5 = 15$ (Y) · $3 \times 7 = 21$ (F) · $9 \times 10 = 90$ (R) · $10 \times 7 = 70$ (O) · $1 \times 8 = 8$ (L) · $9 \times 7 = 63$ (P) · $10 \times 2 = 20$ (A) · $12 \times 7 = 84$ (W) · $8 \times 7 = 56$ (I) · $5 \times 7 = 35$ (S)

Clue 4 (Skip counting): "A JET BLACK HAIR WAS CAUGHT ON A VINE"

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, __, 22, 24 = 20 (A) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, __, 18, 21 = 15 (B) · Skip-count by 2s. Fill the blank: 2, 4, __, 8, 10 = 6 (W) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, __, 55, 60 = 50 (G) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, __, 150, 160 = 140 (R) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, __, 75, 80 = 70 (N) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, __, 45, 50 = 40 (C) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, __, 120, 130 = 110 (I) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, __, 60, 65 = 55 (T) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, __, 30, 33 = 27 (E) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, __, 16, 18 = 14 (J) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 = 130 (U) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, __, 40, 45 = 35 (O) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, __, 130, 140 = 120 (K) · Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 = 9 (V) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, __, 45, 48 = 42 (S) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, __, 24, 26 = 22 (H)

Clue 5 (Division facts (1-12)): surviving statement is box 4 → Marco

$132 \div 12 = 11$ · $48 \div 4 = 12$ · $48 \div 6 = 8$ · $40 \div 4 = 10$ · $2 \div 1 = 2$ · $99 \div 11 = 9$ · $12 \div 4 = 3$ · $77 \div 11 = 7$ · $12 \div 2 = 6$ · $35 \div 7 = 5$ · $2 \div 2 = 1$