



The Golden Scepter Caper

Grade 5 math · Addition, Subtraction, Multiplication, Word problems, Division · Reading level grades 3-4

Detective: _____ Date: _____

Oh no! Someone took the ancient Golden Banana Scepter from the temple! We must find the Rogue Explorer before they escape the island on a speedboat.

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	JUNGLE SKILL	SECRET GEAR	SIGHTED CLUE	FELT FIBERS	FEAR
Gabe Gear	taming wild parrots	riding a hover-scooter	carries a brass spyglass	yellow cotton threads	allergic to wild mangoes
Sasha Scout	climbing rocky cliffs	throwing smoke bombs	wears a shiny compass watch	yellow cotton threads	afraid of itchy ferns
Val Valley	decoding ancient ruins	throwing smoke bombs	wears a shiny compass watch	yellow cotton threads	afraid of itchy ferns
Fiona Fern	swinging on vines	riding a hover-scooter	wears a shiny compass watch	dark brown jacket fuzz	allergic to wild mangoes
Jane Jungle	swinging on vines	riding a hover-scooter	wears a shiny compass watch	yellow cotton threads	scared of squeaky bats
Alex Explorer	building bamboo rafts	throwing smoke bombs	wears a shiny compass watch	dark brown jacket fuzz	afraid of itchy ferns
Dr Diana	climbing rocky cliffs	using a laser pointer	carries a brass spyglass	dark brown jacket fuzz	allergic to wild mangoes
Explorer Eli	climbing rocky cliffs	using a laser pointer	wears a shiny compass watch	yellow cotton threads	afraid of itchy ferns
Toby Trail	decoding ancient ruins	playing a loud kazoo	carries a brass spyglass	yellow cotton threads	scared of squeaky bats
Kai Kayak	building bamboo rafts	wearing night goggles	carries a brass spyglass	yellow cotton threads	afraid of itchy ferns
River Ross	decoding ancient ruins	using a laser pointer	wears a shiny compass watch	bright red wool strands	scared of squeaky bats
Brooke Bridge	decoding ancient ruins	riding a hover-scooter	wears a shiny compass watch	yellow cotton threads	allergic to wild mangoes
Maya Map	climbing rocky cliffs	riding a hover-scooter	wears a shiny compass watch	bright red wool strands	afraid of itchy ferns
Quinn Quick	decoding ancient ruins	using a laser pointer	wears a shiny compass watch	dark brown jacket fuzz	allergic to wild mangoes
Uma Under	swinging on vines	playing a loud kazoo	carries a brass spyglass	yellow cotton threads	afraid of itchy ferns
Leo Leaf	building bamboo rafts	playing a loud kazoo	wears a shiny compass watch	yellow cotton threads	afraid of itchy ferns
Will Wilder	decoding ancient ruins	throwing smoke bombs	carries a brass spyglass	bright red wool strands	allergic to wild mangoes
Nate Net	building bamboo rafts	throwing smoke bombs	wears a shiny compass watch	yellow cotton threads	afraid of itchy ferns
Olivia Owl	taming wild parrots	using a laser pointer	wears a shiny compass watch	bright red wool strands	scared of squeaky bats
Zoe Zip	climbing rocky cliffs	using a laser pointer	wears a shiny compass watch	dark brown jacket fuzz	afraid of itchy ferns
Indiana Ian	taming wild parrots	wearing night goggles	wears a shiny compass watch	dark brown jacket fuzz	allergic to wild mangoes

CLUE 1

We found a backpack dropped near the camp. Let us add up all the juice boxes and energy bars inside to find the clue.

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

Top row: 3358 (T), 8175, 7171, 7845, 9736, 4087, 4087, 4838, 9736, 4825, 7997, 8498, 7171, 7066, 4825, 8498, 3358 (T)

Bottom row: 2761, 4087, 4838, 5740, 3358 (T), 8175, 7171, 9514, 4838, 6647, 8498, 8498

$$1854 + 1504 = \boxed{} \rightarrow \boxed{\mathbf{T}}$$

$$5595 + 4141 = \boxed{} \rightarrow \boxed{} \mid$$

$$4224 + 5290 = \boxed{} \rightarrow \boxed{\text{K}}$$

$$2201 + 2624 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$3187 + 2553 = \boxed{} \rightarrow \mathbf{Y}$$

$$5568 + 2607 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$2429 + 5416 = \boxed{} \rightarrow \boxed{\mathbf{v}}$$

$$3830 + 4668 = \boxed{} \rightarrow \boxed{0}$$

$3352 + 3819 = \boxed{} \rightarrow \boxed{\text{E}}$

$$2491 + 1596 = \boxed{} \rightarrow \boxed{\text{L}}$$

$$2887 + 4179 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$3286 + 3361 = \boxed{} \rightarrow \boxed{\mathbf{Z}}$$

$$1616 + 1145 = \boxed{} \rightarrow \boxed{\text{P}}$$

$$5340 + 2657 = \boxed{} \rightarrow \boxed{\text{D}}$$

$1538 + 3300 = \boxed{} \rightarrow \mathbf{A}$

Scratch space:

CLUE 2

Subtraction

The thief broke into our supply chest. Subtract the ruined camp blankets from our total to see what is left.

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

A										A				A			
7156	1746	7046	1722	5940	4855	5879	7419	1104	7400	7156	1746	1746	7813	7156	2113	5879	7046

						A						
8262	3431	2626	2113	1746	5879	7296	7156	2113	5879	7046	3431	1746

$9976 - 2820 = \square \rightarrow \text{A}$

$5557 - 3835 = \square \rightarrow \text{I}$

$10257 - 2838 = \square \rightarrow \text{O}$

$4010 - 2906 = \square \rightarrow \text{M}$

$4436 - 1005 = \square \rightarrow \text{E}$

$9854 - 2558 = \square \rightarrow \text{R}$

$4902 - 47 = \square \rightarrow \text{Y}$

$4528 - 2782 = \square \rightarrow \text{S}$

$10322 - 4382 = \square \rightarrow \text{N}$

$12638 - 4376 = \square \rightarrow \text{L}$

$12400 - 4587 = \square \rightarrow \text{W}$

$2848 - 222 = \square \rightarrow \text{F}$

$11263 - 4217 = \square \rightarrow \text{H}$

$2708 - 595 = \square \rightarrow \text{T}$

$8473 - 2594 = \square \rightarrow \text{C}$

$9581 - 2181 = \square \rightarrow \text{P}$

Scratch space:

CLUE 3
Multiplication facts (1-12)

Look at these rows of boot prints in the mud. We can multiply the rows by the prints in each row to solve this clue.

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

T																	
20	54	45	132	8	56	56	45	132	132	144	30	144	100	144	48		
						T											
40	132	8	70	27	20	15	54	48	40	45	132	30	99				

$10 \times 2 = \square \rightarrow \boxed{\text{T}}$

$8 \times 1 = \square \rightarrow \boxed{\text{O}}$

$9 \times 11 = \square \rightarrow \boxed{\text{S}}$

$9 \times 5 = \square \rightarrow \boxed{\text{E}}$

$7 \times 8 = \square \rightarrow \boxed{\text{B}}$

$6 \times 9 = \square \rightarrow \boxed{\text{H}}$

$4 \times 10 = \square \rightarrow \boxed{\text{F}}$

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

$12 \times 4 = \square \rightarrow \boxed{\text{Y}}$

$12 \times 11 = \square \rightarrow \boxed{\text{R}}$

$10 \times 10 = \square \rightarrow \boxed{\text{W}}$

$10 \times 7 = \square \rightarrow \boxed{\text{M}}$

$5 \times 3 = \square \rightarrow \boxed{\text{C}}$

$3 \times 9 = \square \rightarrow \boxed{\text{I}}$

$3 \times 10 = \square \rightarrow \boxed{\text{N}}$

Scratch space:

CLUE 4

Word problems

A friendly monkey is holding a crumpled note. Solve this word problem about sharing bananas to get the note from him.

Solve each problem, then write its letter in the boxes to fill in the missing word.

A strand of

Y											N		H	R		A	D	S
58	112	118	118	45	56	115	45	95	95	45		95			112			

hair

turned up at the scene.

Ranger Rick found 44 canteen cups yesterday and 14 more today. How many canteen cups in all?

Answer: → **Y**

There were 131 rope climbs. 19 were used up. How many rope climbs are left?

Answer: → **E**

Ranger Rick lined up 5 rows of 9 canteen cups. How many canteen cups in all?

Answer: → **O**

There were 125 canteen cups. 7 were used up. How many canteen cups are left?

Answer: → **L**

Ranger Rick found 46 jungle maps yesterday and 49 more today. How many jungle maps in all?

Answer: → **T**

Ranger Rick found 63 jungle maps yesterday and 52 more today. How many jungle maps in all?

Answer: → **C**

Ranger Rick lined up 8 rows of 7 golden bananas. How many golden bananas in all?

Answer: → **W**

Scratch space:

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

We have a bundle of torches to split equally among our rescue teams. Divide them up to unlock the final message.

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:

$24 \div 12 = \square$

$50 \div 10 = \square$

$36 \div 3 = \square$

$55 \div 5 = \square$

$10 \div 10 = \square$

$10 \div 1 = \square$

$72 \div 9 = \square$

$8 \div 2 = \square$

$84 \div 12 = \square$

$27 \div 3 = \square$

$48 \div 8 = \square$

Step 2 - cross out the sentence with each answer:

1. The villain scales the muddy cliff without a rope, then blasts a silly tune on a plastic kazoo.
2. The villain scales the muddy cliff without a rope, then blinds the guards with a red laser pointer.
3. The villain translates the old symbols on the wall, then vanishes into a cloud of purple smoke.
4. The villain translates the old symbols on the wall, then blinds the guards with a red laser pointer.
5. The villain scales the muddy cliff without a rope, then vanishes into a cloud of purple smoke.
6. The villain crafts a sturdy raft from hollow bamboo, then blasts a silly tune on a plastic kazoo.
7. The villain whistles to guide a flock of green parrots, then sneaks through the dark cave with goggles.
8. The villain translates the old symbols on the wall, then speeds down the jungle trail on a scooter.
9. The villain swings across the river on a thick vine, then sneaks through the dark cave with goggles.
10. The villain crafts a sturdy raft from hollow bamboo, then blinds the guards with a red laser pointer.
11. The villain scales the muddy cliff without a rope, then speeds down the jungle trail on a scooter.
12. The villain crafts a sturdy raft from hollow bamboo, then vanishes into a cloud of purple smoke.

Answer Key

The Golden Scepter Caper

Culprit: Val Valley

decoding ancient ruins · throwing smoke bombs · wears a shiny compass watch · yellow cotton threads · afraid of itchy ferns

Trail: Start 21 → Clue 1 18 → Clue 2 14 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE VILLAIN DOES NOT PLAY THE KAZOO"

$1854 + 1504 = 3358$ (T) · $5595 + 4141 = 9736$ (I) · $4224 + 5290 = 9514$ (K) · $2201 + 2624 = 4825$ (N) · $3187 + 2553 = 5740$ (Y) · $5568 + 2607 = 8175$ (H) · $2429 + 5416 = 7845$ (V) · $3830 + 4668 = 8498$ (O) · $3352 + 3819 = 7171$ (E) · $2491 + 1596 = 4087$ (L) · $2887 + 4179 = 7066$ (S) · $3286 + 3361 = 6647$ (Z) · $1616 + 1145 = 2761$ (P) · $5340 + 2657 = 7997$ (D) · $1538 + 3300 = 4838$ (A)

Clue 2 (Subtraction): "A SHINY COMPASS WATCH LEFT SCRATCHES"

$9976 - 2820 = 7156$ (A) · $5557 - 3835 = 1722$ (I) · $10257 - 2838 = 7419$ (O) · $4010 - 2906 = 1104$ (M) · $4436 - 1005 = 3431$ (E) · $9854 - 2558 = 7296$ (R) · $4902 - 47 = 4855$ (Y) · $4528 - 2782 = 1746$ (S) · $10322 - 4382 = 5940$ (N) · $12638 - 4376 = 8262$ (L) · $12400 - 4587 = 7813$ (W) · $2848 - 222 = 2626$ (F) · $11263 - 4217 = 7046$ (H) · $2708 - 595 = 2113$ (T) · $8473 - 2594 = 5879$ (C) · $9581 - 2181 = 7400$ (P)

Clue 3 (Multiplication facts (1-12)): "THE ROBBER RAN AWAY FROM ITCHY FERNS"

$10 \times 2 = 20$ (T) · $8 \times 1 = 8$ (O) · $9 \times 11 = 99$ (S) · $9 \times 5 = 45$ (E) · $7 \times 8 = 56$ (B) · $6 \times 9 = 54$ (H) · $4 \times 10 = 40$ (F) · $12 \times 12 = 144$ (A) · $12 \times 4 = 48$ (Y) · $12 \times 11 = 132$ (R) · $10 \times 10 = 100$ (W) · $10 \times 7 = 70$ (M) · $5 \times 3 = 15$ (C) · $3 \times 9 = 27$ (I) · $3 \times 10 = 30$ (N)

Clue 4 (Word problems): "YELLOW COTTON THREADS"

Ranger Rick found 44 canteen cups yesterday and 14 more today. How many canteen cups in all? = 58 (Y) · There were 131 rope climbs. 19 were used up. How many rope climbs are left? = 112 (E) · Ranger Rick lined up 5 rows of 9 canteen cups. How many canteen cups in all? = 45 (O) · There were 125 canteen cups. 7 were used up. How many canteen cups are left? = 118 (L) · Ranger Rick found 46 jungle maps yesterday and 49 more today. How many jungle maps in all? = 95 (T) · Ranger Rick found 63 jungle maps yesterday and 52 more today. How many jungle maps in all? = 115 (C) · Ranger Rick lined up 8 rows of 7 golden bananas. How many golden bananas in all? = 56 (W)

Clue 5 (Division facts (1-12)): surviving statement is box 3 → Val Valley

$24 \div 12 = 2$ · $50 \div 10 = 5$ · $36 \div 3 = 12$ · $55 \div 5 = 11$ · $10 \div 10 = 1$ · $10 \div 1 = 10$ · $72 \div 9 = 8$ · $8 \div 2 = 4$ · $84 \div 12 = 7$ · $27 \div 3 = 9$ · $48 \div 8 = 6$