



The Case of the Missing Sun Stone

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

Detective: _____ Date: _____

Someone snuck into the Lost Temple of Cobras and stole the golden Sun Stone! Detective Maya needs your help to crack the clues and find the sneaky raider.

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 Temple Raider is _____

Possible suspects

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

NAME	TOOL	DISGUISE	HABIT	HAIRSTYLE	FEAR
Scout Scott	Brass Compass	Golden Mask	Hums Tunes	Braided Hair	Afraid Of Bats
Rover Ruby	Grappling Hook	Mud Camo	Hums Tunes	Spiky Hair	Afraid Of Bats
Ranger Rita	Grappling Hook	Golden Mask	Hums Tunes	Spiky Hair	Afraid Of Snakes
Scout Ben	Brass Compass	Golden Mask	Taps Boots	Spiky Hair	Afraid Of Bats
Rover Rex	Decoder Ring	Mud Camo	Taps Boots	Curly Hair	Afraid Of Snakes
Caver Cora	Brass Compass	Vine Cloak	Taps Boots	Spiky Hair	Afraid Of Snakes
Pioneer Pam	Brass Compass	Night Goggles	Hums Tunes	Braided Hair	Afraid Of Bats
Captain Clara	Decoder Ring	Safari Hat	Taps Boots	Spiky Hair	Afraid Of Bats
Sailor Sue	Decoder Ring	Safari Hat	Taps Boots	Curly Hair	Afraid Of Snakes
Sailor Sam	Grappling Hook	Safari Hat	Taps Boots	Spiky Hair	Afraid Of Snakes
Tracker Tim	Heavy Machete	Vine Cloak	Taps Boots	Curly Hair	Afraid Of Heights
Daring Dan	Brass Compass	Mud Camo	Taps Boots	Spiky Hair	Afraid Of Snakes
Hiker Holly	Brass Compass	Safari Hat	Taps Boots	Spiky Hair	Afraid Of Snakes
Hiker Leo	Smoke Bomb	Safari Hat	Hums Tunes	Spiky Hair	Afraid Of Heights
Pioneer Pete	Heavy Machete	Golden Mask	Taps Boots	Spiky Hair	Afraid Of Snakes
Explorer Eva	Grappling Hook	Safari Hat	Taps Boots	Braided Hair	Afraid Of Snakes
Jungle Jane	Heavy Machete	Safari Hat	Taps Boots	Spiky Hair	Afraid Of Bats
Caver Cal	Smoke Bomb	Golden Mask	Taps Boots	Spiky Hair	Afraid Of Bats
Tracker Tess	Smoke Bomb	Night Goggles	Taps Boots	Curly Hair	Afraid Of Bats
Ranger Rick	Heavy Machete	Night Goggles	Hums Tunes	Curly Hair	Afraid Of Snakes
Fisher Finn	Grappling Hook	Vine Cloak	Hums Tunes	Spiky Hair	Afraid Of Bats

CLUE 1

Detective Maya checked the digital altimeter, but the screen only showed rounded numbers.

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

Diagram showing two rows of boxes representing numbers. The top row has 18 boxes, with the first and last boxes containing the letter 'T' and orange shading. The bottom row has 15 boxes. Numbers are written below each box.

T																	T	
290	4300	2900		90	170	5000	5000	1700	170	130		370	50	2900	9000	130	50	290
110	2900	1700	3000		1700		90	170	130	2900		7000	5000	50	1700	1300		

Round 290 to the nearest ten $\rightarrow$ **T**

Round 2,874 to the nearest hundred → **E**

Round 1,672 to the nearest hundred $\rightarrow$ **A**

Round 168 to the nearest ten $\rightarrow$

Round 1,344 to the nearest hundred $\rightarrow$ **K**

Round 8,689 to the nearest thousand $\rightarrow$ **S**

Round 48 to the nearest ten $\rightarrow$

Round 107 to the nearest ten $\rightarrow$ **W**

Round 7,199 to the nearest thousand → **C**

Round 2,798 to the nearest thousand → **R**

Round 5,333 to the nearest thousand → **L**

Round 369 to the nearest ten $\rightarrow$ **D**

Round 4,306 to the nearest hundred → **H**

Round 87 to the nearest ten $\rightarrow$ **V**

Round 134 to the nearest ten $\rightarrow$ **N**

Scratch space:

CLUE 2 Addition

Maya gathered up all the abandoned supply crates and added them together.

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

T										T	T					T				
6173	4816	5017	4668	3849	4668	3131	5017	8396	6173	6173	3570	3131	4668	6173	4816	5017	6214	3163		

			T					T					
9719	9495	9495	6173	4668	9495	6301	4668	6173	9495	6301	5017	4668	

$2734 + 3439 = \square \rightarrow$ T	$2161 + 4053 = \square \rightarrow$ I	$1995 + 1136 = \square \rightarrow$ P
$2162 + 1687 = \square \rightarrow$ U	$4938 + 3458 = \square \rightarrow$ C	$4108 + 5387 = \square \rightarrow$ O
$2403 + 2265 = \square \rightarrow$ S	$1043 + 2120 = \square \rightarrow$ R	$4588 + 5131 = \square \rightarrow$ B
$3487 + 2814 = \square \rightarrow$ N	$2461 + 1109 = \square \rightarrow$ A	$2311 + 2706 = \square \rightarrow$ E
$3290 + 1526 = \square \rightarrow$ H		

Scratch space:

CLUE 3

Subtraction

Maya counted the footprint trails and subtracted the false paths.

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

T																			
4054	6692	6367	7752	6982	7752	8533	6367	1930	4054	8253	6982	1782	7752	7065	8253	6369	5201		
6692	5860	7752	7752	5860	1782	3110	7752	1782	3670	5105	6367	7752							

$6224 - 2170 = \square \rightarrow \boxed{\text{T}}$

$8310 - 2450 = \square \rightarrow \boxed{\text{I}}$

$10295 - 3313 = \square \rightarrow \boxed{\text{U}}$

$5679 - 2569 = \square \rightarrow \boxed{\text{G}}$

$8776 - 2409 = \square \rightarrow \boxed{\text{E}}$

$10157 - 3465 = \square \rightarrow \boxed{\text{H}}$

$9893 - 1360 = \square \rightarrow \boxed{\text{P}}$

$11561 - 3809 = \square \rightarrow \boxed{\text{S}}$

$11492 - 3239 = \square \rightarrow \boxed{\text{R}}$

$5032 - 3102 = \square \rightarrow \boxed{\text{C}}$

$7013 - 644 = \square \rightarrow \boxed{\text{O}}$

$10169 - 3104 = \square \rightarrow \boxed{\text{F}}$

$6898 - 3228 = \square \rightarrow \boxed{\text{A}}$

$3885 - 2103 = \square \rightarrow \boxed{\text{N}}$

$9203 - 4002 = \square \rightarrow \boxed{\text{M}}$

$9332 - 4227 = \square \rightarrow \boxed{\text{K}}$

Scratch space:

CLUE 4
Multiplication facts (1-12)

Maya saw rows of ancient stone tiles and multiplied them to count the total.

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

A											A							
32	15	9	10	12	21	48	63	50	100	32	48	99	12	10	9	99	9	

1	9	15	7	33	9	100	48	66	5

$8 \times 4 = \square \rightarrow$ A	$9 \times 11 = \square \rightarrow$ R	$4 \times 12 = \square \rightarrow$ I
$11 \times 6 = \square \rightarrow$ N	$1 \times 5 = \square \rightarrow$ D	$7 \times 9 = \square \rightarrow$ K
$3 \times 11 = \square \rightarrow$ B	$1 \times 9 = \square \rightarrow$ E	$10 \times 10 = \square \rightarrow$ H
$5 \times 10 = \square \rightarrow$ Y	$1 \times 7 = \square \rightarrow$ T	$5 \times 3 = \square \rightarrow$ F
$12 \times 1 = \square \rightarrow$ S	$2 \times 5 = \square \rightarrow$ W	$3 \times 7 = \square \rightarrow$ P
		$1 \times 1 = \square \rightarrow$ L

Scratch space:

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

Maya split the gathered clues into equal piles for her scout team to study.

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:

$42 \div 7 = \boxed{}$

$120 \div 10 = \boxed{}$

$110 \div 10 = \boxed{}$

$8 \div 1 = \boxed{}$

$5 \div 5 = \boxed{}$

$24 \div 8 = \boxed{}$

$36 \div 4 = \boxed{}$

$15 \div 3 = \boxed{}$

$20 \div 10 = \boxed{}$

$120 \div 12 = \boxed{}$

$70 \div 10 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain swung a heavy machete, then smeared on thick mud camo.
2. The villain swung in on a grappling hook, then wrapped up in a vine cloak.
3. The villain swung in on a grappling hook, then smeared on thick mud camo.
4. The villain swung in on a grappling hook, then put on a tall safari hat.
5. The villain swung a heavy machete, then wrapped up in a vine cloak.
6. The villain swung a heavy machete, then donned a shiny golden mask.
7. The villain threw down a thick smoke bomb, then wrapped up in a vine cloak.
8. The villain used a secret decoder ring, then put on a tall safari hat.
9. The villain swung a heavy machete, then pulled down green night goggles.
10. The villain threw down a thick smoke bomb, then pulled down green night goggles.
11. The villain checked a brass compass, then put on a tall safari hat.
12. The villain checked a brass compass, then smeared on thick mud camo.

Answer Key

The Case of the Missing Sun Stone

Culprit: Sailor Sam

Grappling Hook · Safari Hat · Taps Boots · Spiky Hair · Afraid Of Snakes

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

Clue 1 (Rounding): "THE VILLAIN DOES NOT WEAR A VINE CLOAK"

Round 290 to the nearest ten = 290 (T) · Round 2,874 to the nearest hundred = 2900 (E) · Round 1,672 to the nearest hundred = 1700 (A) · Round 168 to the nearest ten = 170 (I) · Round 1,344 to the nearest hundred = 1300 (K) · Round 8,689 to the nearest thousand = 9000 (S) · Round 48 to the nearest ten = 50 (O) · Round 107 to the nearest ten = 110 (W) · Round 7,199 to the nearest thousand = 7000 (C) · Round 2,798 to the nearest thousand = 3000 (R) · Round 5,333 to the nearest thousand = 5000 (L) · Round 369 to the nearest ten = 370 (D) · Round 4,306 to the nearest hundred = 4300 (H) · Round 87 to the nearest ten = 90 (V) · Round 134 to the nearest ten = 130 (N)

Clue 2 (Addition): "THE SUSPECT TAPS THEIR BOOTS ON STONES"

$2734 + 3439 = 6173$ (T) · $2161 + 4053 = 6214$ (I) · $1995 + 1136 = 3131$ (P) · $2162 + 1687 = 3849$ (U) · $4938 + 3458 = 8396$ (C) · $4108 + 5387 = 9495$ (O) · $2403 + 2265 = 4668$ (S) · $1043 + 2120 = 3163$ (R) · $4588 + 5131 = 9719$ (B) · $3487 + 2814 = 6301$ (N) · $2461 + 1109 = 3570$ (A) · $2311 + 2706 = 5017$ (E) · $3290 + 1526 = 4816$ (H)

Clue 3 (Subtraction): "THE SUSPECT RUNS FROM HISSING SNAKES"

$6224 - 2170 = 4054$ (T) · $8310 - 2450 = 5860$ (I) · $10295 - 3313 = 6982$ (U) · $5679 - 2569 = 3110$ (G) · $8776 - 2409 = 6367$ (E) · $10157 - 3465 = 6692$ (H) · $9893 - 1360 = 8533$ (P) · $11561 - 3809 = 7752$ (S) · $11492 - 3239 = 8253$ (R) · $5032 - 3102 = 1930$ (C) · $7013 - 644 = 6369$ (O) · $10169 - 3104 = 7065$ (F) · $6898 - 3228 = 3670$ (A) · $3885 - 2103 = 1782$ (N) · $9203 - 4002 = 5201$ (M) · $9332 - 4227 = 5105$ (K)

Clue 4 (Multiplication facts (1-12)): "A FEW SPIKY HAIRS WERE LEFT BEHIND"

$8 \times 4 = 32$ (A) · $9 \times 11 = 99$ (R) · $4 \times 12 = 48$ (I) · $11 \times 6 = 66$ (N) · $1 \times 5 = 5$ (D) · $7 \times 9 = 63$ (K) · $3 \times 11 = 33$ (B) · $1 \times 9 = 9$ (E) · $10 \times 10 = 100$ (H) · $5 \times 10 = 50$ (Y) · $1 \times 7 = 7$ (T) · $5 \times 3 = 15$ (F) · $12 \times 1 = 12$ (S) · $2 \times 5 = 10$ (W) · $3 \times 7 = 21$ (P) · $1 \times 1 = 1$ (L)

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

$42 \div 7 = 6$ · $120 \div 10 = 12$ · $110 \div 10 = 11$ · $8 \div 1 = 8$ · $5 \div 5 = 1$ · $24 \div 8 = 3$ · $36 \div 4 = 9$ · $15 \div 3 = 5$ · $20 \div 10 = 2$ · $120 \div 12 = 10$ · $70 \div 10 = 7$