



The Whispering Jungle Heist

Grade 7 math · Fractions of a number, Word problems, Integers, Percentages · Reading level grades 7-9

Detective: _____ Date: _____

The legendary Emerald Eye has been stolen from the Sunken Temple! A mysterious rogue snuck past the temple traps, snatched the relic, and vanished into the thick jungle canopy. We must examine the tracks, decode the temple archives, and bring the thief to justice before they escape the island.

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 Archeologist 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	RELIC CARRIED	DOMINANT HAND	STRAY HAIR COLOR	SECRET FEAR
Shorty Round	climbing spikes	jade compass	uses left hand	jet black hair	allergic to pollen
Elena Crest	climbing spikes	obsidian mirror	uses right hand	dusty brown hair	fears spiders
Rex Dasher	decoder ring	jade compass	uses left hand	bright red hair	allergic to pollen
Gwen Stacy	decoder ring	silver key	uses right hand	bright red hair	allergic to pollen
Maya Thorne	decoder ring	golden idol	uses right hand	dusty brown hair	allergic to pollen
Sully Canyon	grappling hook	jade compass	uses left hand	dusty brown hair	fears spiders
Sydney Fox	climbing spikes	golden idol	uses left hand	dusty brown hair	scared of bats
Chase Walker	machete	silver key	uses left hand	bright red hair	fears spiders
Marion Raven	smoke bombs	obsidian mirror	uses right hand	jet black hair	allergic to pollen
Brooke Haven	climbing spikes	obsidian mirror	uses right hand	jet black hair	allergic to pollen
Henry Jones	climbing spikes	golden idol	uses right hand	dusty brown hair	allergic to pollen
Zoe Carter	grappling hook	silver key	uses left hand	dusty brown hair	allergic to pollen
Leo Sterling	decoder ring	jade compass	uses right hand	dusty brown hair	scared of bats
Arthur Pendelton	climbing spikes	silver key	uses left hand	jet black hair	scared of bats
Indy Rivers	decoder ring	ruby beetle	uses right hand	dusty brown hair	allergic to pollen
Rick Oconnell	grappling hook	jade compass	uses right hand	dusty brown hair	allergic to pollen
Danny Quest	smoke bombs	obsidian mirror	uses right hand	dusty brown hair	allergic to pollen
Allan Sparks	climbing spikes	jade compass	uses right hand	bright red hair	fears spiders
Evelyn Carnahan	grappling hook	silver key	uses right hand	jet black hair	scared of bats
Nathan Ridge	machete	jade compass	uses left hand	dusty brown hair	allergic to pollen
Marcus Brody	grappling hook	golden idol	uses right hand	bright red hair	allergic to pollen

CLUE 1

Our journey begins at the base camp, where we must calculate our survival gear weight. Solve these inventory word problems to unlock the first clue.

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

56 28 10 35 16 10 31 16 10 21 34 16 56 28 27 6 10

56 28 10 12 27 31 10 26 16 24 42 27 21 21

4/8 of 112 = →

4/6 of 42 = → **H**

$\frac{3}{4}$ of 36 = $\rightarrow$ **A**

$6/8$ of $32 = \square \rightarrow \boxed{\text{M}}$

$2/8$ of 124 = $\rightarrow$ **D**

$3/6$ of $68 = \square \rightarrow \boxed{\text{N}}$

$1/2$ of 24 = $\rightarrow$ **J**

2/10 of 30 = → ☒

1/3 of 126 = → **P**

2/8 of 64 = →

$\frac{1}{6}$ of 126 = $\rightarrow$ **S**

$\frac{1}{3}$ of 78 = $\rightarrow$ **C**

$5/8$ of $56 = \square \rightarrow \boxed{\text{F}}$

5/10 of 20 = → **E**

Scratch space:

CLUE 2

Word problems

We find a heavy chest of ancient copper coins left by the thief. A fraction of these coins belongs to our local guide. Solve the fractions to get the next clue.

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

A witness saw the villain was U T A N D .

31 120 26 120 93 27 100 63 63

There were 55 canteen. 24 were used up. How many canteen are left? → U

Guide found 42 relic yesterday and 21 more today. How many relic in all? → H

There were 114 torch. 14 were used up. How many torch are left? → G

Guide found 3 backpack yesterday and 24 more today. How many backpack in all? → I

Guide found 22 relic yesterday and 71 more today. How many relic in all? → R

There were 141 relic. 21 were used up. How many relic are left? → S

There were 34 relic. 8 were used up. How many relic are left? → E

Scratch space:

CLUE 3 Integers

To navigate the underground tunnels, we must track our depth as we climb up and down the stone chambers. Track these positive and negative integers to move forward.

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

A													
20	4	23	13	3	5	13	10	10	23	13	30	27	11

							A									A	
25	13	23	23	27	7	9	20	5	27	21	12	27	1	7	27	20	15

10	23	27	27

$11 - (-9) = \square \rightarrow$ A	$(-15) + 24 = \square \rightarrow$ M	$4 - (-9) = \square \rightarrow$ O
$(-15) + 18 = \square \rightarrow$ U	$(-12) + 17 = \square \rightarrow$ D	$(-11) + 21 = \square \rightarrow$ F
$(-1) + 31 = \square \rightarrow$ W	$12 - (-11) = \square \rightarrow$ L	$(-4) + 16 = \square \rightarrow$ H
$(-11) + 38 = \square \rightarrow$ E	$(-1) + 5 = \square \rightarrow$ C	$(-13) + 38 = \square \rightarrow$ P
$10 - (-11) = \square \rightarrow$ T	$(-3) + 14 = \square \rightarrow$ R	$7 - (-8) = \square \rightarrow$ K
$(-11) + 18 = \square \rightarrow$ N	$(-3) + 4 = \square \rightarrow$ S	

Scratch space:

CLUE 4

The ancient solar door needs a specific percentage of light reflecting off our mirrors to trigger its mechanism. Calculate the percentages to reveal the fourth clue.

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

A 2x10 grid of boxes. The top row contains the following values from left to right: 'W' (orange), 12, 21, 16, 27, 35, 51, 51, 27, 15, 48, 17, 28, 29, 16, 'W' (orange), 35. The bottom row contains the following values from left to right: 30, 58, 56, 29, 16, 35, 48, 30, 12, 31, 27, 35, 25, 14, 12, 13, 56, 35, 12.

50% of 2 = → **W**

5% of 500 = → **G**

10% of 310 = → **J**

25% of 204 = → **D**

20% of 150 = → **H**

50% of 56 = → **B**

10% of 160 = →

75% of 36 = → **U**

50% of 58 = → **R**

25% of 56 = → **L**

5% of 960 = → **T**

25% of 140 = → **N**

5% of 260 = →

10% of 120 = → **E**

40% of 145 = → **A**

20% of 85 = →

10% of 150 = → **S**

10% of 560 = →

75% of 28 = → **F**

Scratch space:

CLUE 5**Fractions of a number - the last clue**

We discover a pouch of glowing crystals dropped during the escape. Only a fraction of them still hold their elemental power. Figure out the fraction to unlock 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:

$1/10 \text{ of } 100 = \boxed{}$

$3/6 \text{ of } 12 = \boxed{}$

$1/8 \text{ of } 88 = \boxed{}$

$1/3 \text{ of } 15 = \boxed{}$

$1/2 \text{ of } 14 = \boxed{}$

$2/8 \text{ of } 12 = \boxed{}$

$3/10 \text{ of } 40 = \boxed{}$

$2/4 \text{ of } 8 = \boxed{}$

$2/10 \text{ of } 5 = \boxed{}$

$1/3 \text{ of } 27 = \boxed{}$

$4/8 \text{ of } 4 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain unravels the ancient puzzle door using a decoder ring, then unlocks the sacred chamber with the silver key.
2. The villain blinds the temple guardians with smoke bombs, then unlocks the sacred chamber with the silver key.
3. The villain blinds the temple guardians with smoke bombs, then navigates the hidden maze using the jade compass.
4. The villain hacks through the thick vines with a machete, then snatches the golden idol from the altar.
5. The villain unravels the ancient puzzle door using a decoder ring, then navigates the hidden maze using the jade compass.
6. The villain scales the steep stone walls using climbing spikes, then snatches the golden idol from the altar.
7. The villain swings across the temple chasm with a grappling hook, then navigates the hidden maze using the jade compass.
8. The villain unravels the ancient puzzle door using a decoder ring, then snatches the golden idol from the altar.
9. The villain hacks through the thick vines with a machete, then unlocks the sacred chamber with the silver key.
10. The villain blinds the temple guardians with smoke bombs, then projects a blinding light from the obsidian mirror.
11. The villain unravels the ancient puzzle door using a decoder ring, then unleashes the swarm from the ruby beetle.
12. The villain scales the steep stone walls using climbing spikes, then navigates the hidden maze using the jade compass.

Answer Key

The Whispering Jungle Heist

Culprit: Maya Thorne

decoder ring · golden idol · uses right hand · dusty brown hair · allergic to pollen

Trail: Start 21 → Clue 1 14 → Clue 2 10 → Clue 3 8 → Clue 4 4 → Clue 5 1

Clue 1 (Fractions of a number): "THE FOE DOES NOT HAVE THE JADE COMPASS"

$4/8$ of 112 = 56 (T) · $4/6$ of 42 = 28 (H) · $3/4$ of 36 = 27 (A) · $6/8$ of 32 = 24 (M) · $2/8$ of 124 = 31 (D) · $3/6$ of 68 = 34 (N) · $1/2$ of 24 = 12 (J) · $2/10$ of 30 = 6 (V) · $1/3$ of 126 = 42 (P) · $2/8$ of 64 = 16 (O) · $1/6$ of 126 = 21 (S) · $1/3$ of 78 = 26 (C) · $5/8$ of 56 = 35 (F) · $5/10$ of 20 = 10 (E)

Clue 2 (Word problems): "USES RIGHT HAND"

There were 55 canteen. 24 were used up. How many canteen are left? = 31 (U) · Guide found 42 relic yesterday and 21 more today. How many relic in all? = 63 (H) · There were 114 torch. 14 were used up. How many torch are left? = 100 (G) · Guide found 3 backpack yesterday and 24 more today. How many backpack in all? = 27 (I) · Guide found 22 relic yesterday and 71 more today. How many relic in all? = 93 (R) · There were 141 relic. 21 were used up. How many relic are left? = 120 (S) · There were 34 relic. 8 were used up. How many relic are left? = 26 (E)

Clue 3 (Integers): "A CLOUD OF FLOWER POLLEN MADE THE SNEAK FLEE"

$11 - (-9) = 20$ (A) · $(-15) + 24 = 9$ (M) · $4 - (-9) = 13$ (O) · $(-15) + 18 = 3$ (U) · $(-12) + 17 = 5$ (D) · $(-11) + 21 = 10$ (F) · $(-1) + 31 = 30$ (W) · $12 - (-11) = 23$ (L) · $(-4) + 16 = 12$ (H) · $(-11) + 38 = 27$ (E) · $(-1) + 5 = 4$ (C) · $(-13) + 38 = 25$ (P) · $10 - (-11) = 21$ (T) · $(-3) + 14 = 11$ (R) · $7 - (-8) = 15$ (K) · $(-11) + 18 = 7$ (N) · $(-3) + 4 = 1$ (S)

Clue 4 (Percentages): "WE FOUND DUSTY BROWN HAIR ON THE JUNGLE VINE"

50% of 2 = 1 (W) · 5% of 500 = 25 (G) · 10% of 310 = 31 (J) · 25% of 204 = 51 (D) · 20% of 150 = 30 (H) · 50% of 56 = 28 (B) · 10% of 160 = 16 (O) · 75% of 36 = 27 (U) · 50% of 58 = 29 (R) · 25% of 56 = 14 (L) · 5% of 960 = 48 (T) · 25% of 140 = 35 (N) · 5% of 260 = 13 (V) · 10% of 120 = 12 (E) · 40% of 145 = 58 (A) · 20% of 85 = 17 (Y) · 10% of 150 = 15 (S) · 10% of 560 = 56 (I) · 75% of 28 = 21 (F)

Clue 5 (Fractions of a number): surviving statement is box 8 → Maya Thorne

$1/10$ of 100 = 10 · $3/6$ of 12 = 6 · $1/8$ of 88 = 11 · $1/3$ of 15 = 5 · $1/2$ of 14 = 7 · $2/8$ of 12 = 3 · $3/10$ of 40 = 12 · $2/4$ of 8 = 4 · $2/10$ of 5 = 1 · $1/3$ of 27 = 9 · $4/8$ of 4 = 2