The Whispering Jungle Mystery

Grade 4 math · Addition, Subtraction, Multiplication, Multi-step word problems, Division · Reading level grades 3-4

Detective: _____ **Date:** _____

Someone snuck into the Whispering Jungle Temple and took the ancient sun medallion! Chief Archaeologist Dr. Rivera needs your help. Solve the mystery to find out which sneaky explorer took the treasure!

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 sneaky explorer is _____

Possible suspects

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

NAME	GEAR TOOL	ARTIFACT HELD	GLOVE HAND	HAIR STYLE	PHOBIA
Zoe Boulder	climbing claws	golden compass	wears left glove	spiky helmet hair	fear of frogs
Oscar Crest	glider wings	ruby key	wears right glove	braided hat strand	fear of bats
Tara Brook	torch blaster	golden compass	wears left glove	braided hat strand	fear of frogs
Finn Stone	climbing claws	golden compass	wears right glove	spiky helmet hair	fear of frogs
Eli Drake	climbing claws	ruby key	wears left glove	spiky helmet hair	fear of bees
Hugo Pine	torch blaster	crystal map	wears left glove	braided hat strand	fear of frogs
Clara Frost	glider wings	crystal map	wears left glove	braided hat strand	fear of frogs
Jasper Canyon	glider wings	silver whistle	wears right glove	braided hat strand	fear of frogs
Iris Meadow	grappling hook	crystal map	wears left glove	braided hat strand	fear of bats
Chloe Vale	glider wings	ruby key	wears right glove	braided hat strand	fear of bees
Wyatt Glen	glider wings	crystal map	wears right glove	braided hat strand	fear of frogs
Toby Ridge	glider wings	golden compass	wears right glove	braided hat strand	fear of bats
Ruby Summit	smoke bomb	silver whistle	wears left glove	curled ponytail	fear of bats
Felix Flint	smoke bomb	bronze medal	wears right glove	curled ponytail	fear of bees
Vera Sand	grappling hook	bronze medal	wears right glove	braided hat strand	fear of bats
Maya Swift	smoke bomb	crystal map	wears right glove	braided hat strand	fear of frogs
Ella Grove	grappling hook	ruby key	wears left glove	spiky helmet hair	fear of frogs
Milo Peak	glider wings	bronze medal	wears right glove	braided hat strand	fear of bees
Otis Branch	grappling hook	ruby key	wears left glove	braided hat strand	fear of frogs
Sam Forest	smoke bomb	crystal map	wears left glove	braided hat strand	fear of frogs
Nora Cliff	glider wings	golden compass	wears left glove	spiky helmet hair	fear of bats

make your own at mathcrackers.com

CLUE 1 Addition

You add up all the stone tiles found near the river to count the total clues.

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



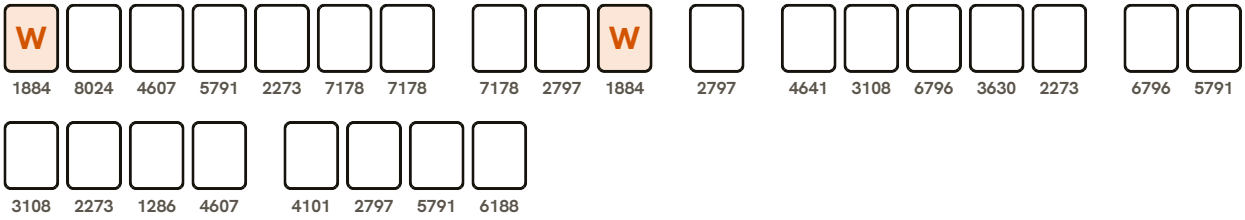
3707 + 4074 = ☐ → T	1382 + 1137 = ☐ → E	3618 + 2869 = ☐ → N
2687 + 4492 = ☐ → A	2616 + 2149 = ☐ → K	3217 + 3897 = ☐ → D
3543 + 3806 = ☐ → U	861 + 1978 = ☐ → X	1993 + 1840 = ☐ → Y
2026 + 2948 = ☐ → V	2940 + 5073 = ☐ → L	4219 + 4365 = ☐ → H
3642 + 4600 = ☐ → O	2145 + 1620 = ☐ → S	5118 + 4591 = ☐ → B
3953 + 4100 = ☐ → R	2987 + 3412 = ☐ → P	

Scratch space:

CLUE 2 Subtraction

You subtract the broken rope length from the main coil to find how far the villain jumped.

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



3365 - 1481 = ☐ → W

3846 - 2560 = ☐ → F

8925 - 4284 = ☐ → G

3522 - 414 = ☐ → L

11131 - 3953 = ☐ → S

8810 - 2622 = ☐ → D

5217 - 1116 = ☐ → H

9183 - 2387 = ☐ → O

5646 - 2849 = ☐ → A

9800 - 1776 = ☐ → I

7064 - 4791 = ☐ → E

8514 - 4884 = ☐ → V

7286 - 1495 = ☐ → N

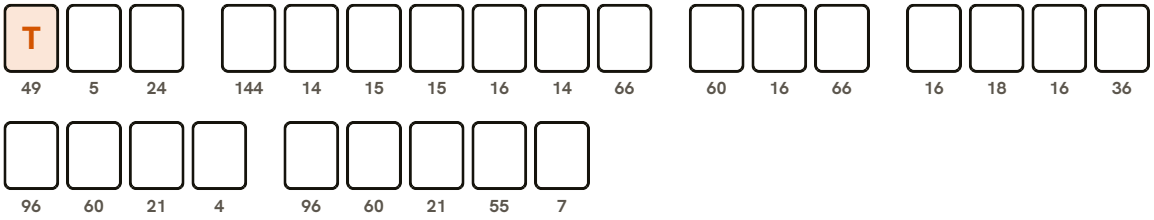
7522 - 2915 = ☐ → T

Scratch space:

CLUE 3 Multiplication facts (1-12)

> You count equal rows of carved masks along the temple wall to track the escape path.

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



7 × 7 = ☐ → T	11 × 5 = ☐ → G	2 × 7 = ☐ → I	1 × 5 = ☐ → H
6 × 4 = ☐ → E	1 × 7 = ☐ → S	5 × 12 = ☐ → R	7 × 3 = ☐ → O
5 × 3 = ☐ → L	12 × 12 = ☐ → V	8 × 2 = ☐ → A	
6 × 11 = ☐ → N	2 × 9 = ☐ → W	9 × 4 = ☐ → Y	1 × 4 = ☐ → M
8 × 12 = ☐ → F			

Scratch space:

CLUE 4 Multi-step word problems

You calculate the gear needed for the team hike before following the muddy tracks.

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

A strand of

B									T	S	T			N		hair turned
29	82	34	49	47	55	47	88	34				82	34		47	

up at the scene.

Junior explorer collected 30 carved badges in the morning and 115 carved badges in the afternoon, then split them equally among 5 expedition team. How many carved badges did each get?

Answer: ☐ → **B**

There were 409 compasses in all. 3 expedition team used 19 compasses each. The other 4 expedition team shared the rest equally. How many compasses did each of the other expedition team get?

Answer: ☐ → **H**

There were 231 compasses in all. 1 expedition team used 27 compasses each. The other 6 expedition team shared the rest equally. How many compasses did each of the other expedition team get?

Answer: ☐ → **A**

There were 268 canteen cups in all. 33 canteen cups were set aside. The rest were shared equally among 5 expedition team. How many canteen cups did each get?

Answer: ☐ → **D**

There were 265 canteen cups in all. 3 expedition team used 23 canteen cups each. The other 4 expedition team shared the rest equally. How many canteen cups did each of the other expedition team get?

Answer: ☐ → **I**

Junior explorer filled 4 boxes with 9 carved badges each, then found 19 more carved badges. How many carved badges are there in all?

Answer: ☐ → **E**

Junior explorer earned 6 compasses in each of 2 rounds, plus 73 bonus compasses. Then 3 compasses were lost. How many compasses are left?

Answer: ☐ → **R**

Scratch space:

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

> You divide the total gold coins equally among the supply packs to balance your gear.

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:

77 ÷ 7 = ☐ | 120 ÷ 12 = ☐ | 36 ÷ 3 = ☐ | 96 ÷ 12 = ☐ | 30 ÷ 5 = ☐

99 ÷ 11 = ☐ | 45 ÷ 9 = ☐ | 7 ÷ 1 = ☐ | 14 ÷ 7 = ☐ | 16 ÷ 4 = ☐

6 ÷ 6 = ☐

Step 2 - cross out the sentence with each answer:

1. The villain lit up the dark tunnel with a torch blaster, then flashed the shiny badge of the bronze medal.
2. The villain soared over the treetops with glider wings, then flashed the shiny badge of the bronze medal.
3. The villain vanished into thick mist with a smoke bomb, then traced the path across the crystal map.
4. The villain swung across the canyon with a grappling hook, then flashed the shiny badge of the bronze medal.
5. The villain scaled the stone ruins with climbing claws, then flashed the shiny badge of the bronze medal.
6. The villain soared over the treetops with glider wings, then checked coordinates using the golden compass.
7. The villain vanished into thick mist with a smoke bomb, then signaled the scouts with the silver whistle.
8. The villain vanished into thick mist with a smoke bomb, then checked coordinates using the golden compass.
9. The villain vanished into thick mist with a smoke bomb, then flashed the shiny badge of the bronze medal.
10. The villain lit up the dark tunnel with a torch blaster, then traced the path across the crystal map.
11. The villain soared over the treetops with glider wings, then traced the path across the crystal map.
12. The villain lit up the dark tunnel with a torch blaster, then checked coordinates using the golden compass.

TEACHER / PARENT

Answer Key

The Whispering Jungle Mystery

Culprit: Sam Forest

smoke bomb · crystal map · wears left glove · braided hat strand · fear of frogs

Trail: Start 21 → Clue 1 16 → Clue 2 8 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE SNEAKY EXPLORER DOES NOT HAVE RUBY KEY"

3707 + 4074 = 7781 (T) · 1382 + 1137 = 2519 (E) · 3618 + 2869 = 6487 (N) · 2687 + 4492 = 7179 (A) · 2616 + 2149 = 4765 (K) · 3217 + 3897 = 7114 (D) · 3543 + 3806 = 7349 (U) · 861 + 1978 = 2839 (X) · 1993 + 1840 = 3833 (Y) · 2026 + 2948 = 4974 (V) · 2940 + 5073 = 8013 (L) · 4219 + 4365 = 8584 (H) · 3642 + 4600 = 8242 (O) · 2145 + 1620 = 3765 (S) · 5118 + 4591 = 9709 (B) · 3953 + 4100 = 8053 (R) · 2987 + 3412 = 6399 (P)

Clue 2 (Subtraction): "WITNESS SAW A GLOVE ON LEFT HAND"

3365 - 1481 = 1884 (W) · 3846 - 2560 = 1286 (F) · 8925 - 4284 = 4641 (G) · 3522 - 414 = 3108 (L) · 11131 - 3953 = 7178 (S) · 8810 - 2622 = 6188 (D) · 5217 - 1116 = 4101 (H) · 9183 - 2387 = 6796 (O) · 5646 - 2849 = 2797 (A) · 9800 - 1776 = 8024 (I) · 7064 - 4791 = 2273 (E) · 8514 - 4884 = 3630 (V) · 7286 - 1495 = 5791 (N) · 7522 - 2915 = 4607 (T)

Clue 3 (Multiplication facts (1-12)): "THE VILLAIN RAN AWAY FROM FROGS"

7 × 7 = 49 (T) · 11 × 5 = 55 (G) · 2 × 7 = 14 (I) · 1 × 5 = 5 (H) · 6 × 4 = 24 (E) · 1 × 7 = 7 (S) · 5 × 12 = 60 (R) · 7 × 3 = 21 (O) · 5 × 3 = 15 (L) · 12 × 12 = 144 (V) · 8 × 2 = 16 (A) · 6 × 11 = 66 (N) · 2 × 9 = 18 (W) · 9 × 4 = 36 (Y) · 1 × 4 = 4 (M) · 8 × 12 = 96 (F)

Clue 4 (Multi-step word problems): "BRAIDED HAT STRAND"

Junior explorer collected 30 carved badges in the morning and 115 carved badges in the afternoon, then split them equally among 5 expedition team. How many carved badges did each get? = 29 (B) · There were 409 compasses in all. 3 expedition team used 19 compasses each. The other 4 expedition team shared the rest equally. How many compasses did each of the other expedition team get? = 88 (H) · There were 231 compasses in all. 1 expedition team used 27 compasses each. The other 6 expedition team shared the rest equally. How many compasses did each of the other expedition team get? = 34 (A) · There were 268 canteen cups in all. 33 canteen cups were set aside. The rest were shared equally among 5 expedition team. How many canteen cups did each get? = 47 (D) · There were 265 canteen cups in all. 3 expedition team used 23 canteen cups each. The other 4 expedition team shared the rest equally. How many canteen cups did each of the other expedition team get? = 49 (I) · Junior explorer filled 4 boxes with 9 carved badges each, then found 19 more carved badges. How many carved badges are there in all? = 55 (E) · Junior explorer earned 6 compasses in each of 2 rounds, plus 73 bonus compasses. Then 3 compasses were lost. How many compasses are left? = 82 (R)

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

77 ÷ 7 = 11 · 120 ÷ 12 = 10 · 36 ÷ 3 = 12 · 96 ÷ 12 = 8 · 30 ÷ 5 = 6 · 99 ÷ 11 = 9 · 45 ÷ 9 = 5 · 7 ÷ 1 = 7 · 14 ÷ 7 = 2 · 16 ÷ 4 = 4 · 6 ÷ 6 = 1