



The Whispering Temple Mystery

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

Detective: _____ **Date:** _____

A sneaky rogue explorer has stolen the legendary Golden Beetle from the Whispering Temple! Chief Archaeologist Dr. Croft needs our help. We must trace the clues and use our math skills to catch the thief before they escape 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	SPECIAL TOOL	PET COMPANION	STEPPING FOOT	HAT COLOR	MAIN FEAR
Frank Hardy	climbing rope	trained falcon	starts walking with the left foot	khaki pith helmet	scared of the dark
Pitfall Harry	decoder ring	trained falcon	starts walking with the left foot	bright red explorer cap	allergic to pollen
Fred Jones	machete	loyal golden retriever	starts walking with the right foot	khaki pith helmet	allergic to pollen
Dora Marquez	decoder ring	trained falcon	starts walking with the left foot	khaki pith helmet	scared of the dark
Indiana Jones	climbing rope	clever monkey	starts walking with the left foot	bright red explorer cap	allergic to pollen
Jonny Quest	climbing rope	tiny tree frog	starts walking with the left foot	bright red explorer cap	scared of the dark
Tom Swift	decoder ring	loyal golden retriever	starts walking with the left foot	blue bandana	scared of the dark
Lara Croft	grappling hook	trained falcon	starts walking with the left foot	khaki pith helmet	scared of the dark
Shaggy Rogers	decoder ring	clever monkey	starts walking with the left foot	khaki pith helmet	scared of spiders
Carmen Sandiego	climbing rope	trained falcon	starts walking with the left foot	blue bandana	scared of the dark
Daphne Blake	climbing rope	loyal golden retriever	starts walking with the left foot	khaki pith helmet	scared of the dark
Penny Gadget	climbing rope	trained falcon	starts walking with the right foot	blue bandana	allergic to pollen
Ben Gates	machete	trained falcon	starts walking with the right foot	khaki pith helmet	scared of the dark
Joe Hardy	pocket compass	loyal golden retriever	starts walking with the right foot	khaki pith helmet	scared of spiders
Ellie Sattler	grappling hook	jungle parrot	starts walking with the left foot	khaki pith helmet	scared of the dark
Tintin	grappling hook	clever monkey	starts walking with the left foot	blue bandana	scared of spiders
Diego Marquez	grappling hook	clever monkey	starts walking with the right foot	blue bandana	scared of the dark
Evelyn Carnahan	pocket compass	jungle parrot	starts walking with the right foot	bright red explorer cap	scared of spiders
Jack Wilder	pocket compass	trained falcon	starts walking with the right foot	blue bandana	allergic to pollen
Nancy Drew	climbing rope	clever monkey	starts walking with the left foot	khaki pith helmet	allergic to pollen
Rick O Connell	grappling hook	clever monkey	starts walking with the left foot	khaki pith helmet	allergic to pollen

CLUE 1 Rounding

We check our ancient map radar. The tracker screen only shows rounded distances. Let us round these numbers to find our next path.

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

T																T
200	20	1300	30	500	70	70	50	500	9000	2300	370	1300	110	9000	370	200
																T
20	50	30	1300	50	1100	900	9000	1700	70	1300	700	50	3700	3700	370	200

Round 181 to the nearest hundred → **T**

Round 1,093 to the nearest hundred → **J**

Round 864 to the nearest hundred → **U**

Round 2,294 to the nearest hundred → **D**

Round 8,839 to the nearest thousand → **N**

Round 18 to the nearest ten → **H**

Round 49 to the nearest ten → **A**

Round 1,320 to the nearest hundred → **E**

Round 3,721 to the nearest hundred → **R**

Round 685 to the nearest hundred → **P**

Round 70 to the nearest ten → **L**

Round 372 to the nearest ten → **O**

Round 30 to the nearest ten → **V**

Round 464 to the nearest hundred → **I**

Round 1,694 to the nearest hundred → **G**

Round 110 to the nearest ten → **S**

Scratch space:

CLUE 2 **Addition**

We find a stash of supply packs dropped by the suspect. Let us count and add up all the gear to see what is missing.

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

T 4524	3824	5474	T 4524	3824	4208	5474	7774	7475	T 4524	5474	2773	2773	5474	4318	9725	5474	7774	T 4524
4208	9144	T 4524	3824	5474	9871	6860	4318											

$1953 + 2571 = \square \rightarrow \text{T}$

$1996 + 3478 = \square \rightarrow \text{E}$

$4208 + 5517 = \square \rightarrow \text{L}$

$3220 + 4554 = \square \rightarrow \text{F}$

$4144 + 5727 = \square \rightarrow \text{M}$

$3553 + 3922 = \square \rightarrow \text{S}$

$4293 + 2567 = \square \rightarrow \text{U}$

$2078 + 1746 = \square \rightarrow \text{H}$

$5552 + 3592 = \square \rightarrow \text{N}$

$1440 + 2878 = \square \rightarrow \text{D}$

$2401 + 1807 = \square \rightarrow \text{I}$

$1726 + 1047 = \square \rightarrow \text{P}$

Scratch space:

CLUE 3

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

2169 7433 8180 4002 4274 5569 7093 5569 2233 5569 4002 2233 7433 8180 7093 2169 7433 8180



 2169 3921 4274 1151 7433 2233 8180 7093 2169 3921 4034 2169

$$4220 - 2051 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$9878 - 4309 = \boxed{} \rightarrow \boxed{\text{A}}$$

$$4514 - 3363 = \boxed{} \rightarrow \boxed{\text{C}}$$

$3991 - 1758 = \square \rightarrow \boxed{\text{W}}$

$$6674 - 2640 = \boxed{} \rightarrow \boxed{\text{U}}$$

$$8509 - 1076 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$12120 - 3940 = \boxed{} \rightarrow \boxed{\text{E}}$$

$$6164 - 2162 = \boxed{} \rightarrow \boxed{\text{Y}}$$

9166 - 2073 = → **N**

$$7186 - 3265 = \boxed{} \rightarrow \boxed{0}$$

$$6025 - 1751 = \boxed{} \rightarrow \boxed{\text{R}}$$

Scratch space:

CLUE 4

Multiplication facts (1-12)

We reach a giant stone wall covered in matching rows of scarab carvings. Let us multiply the rows to find the secret button.

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

W																	
22	48	20	32	88	42	77	50	6	8	50	9	110	35	12	8	66	110

							W			
42	48	8	12	35	6	48	22	8	120	120

$11 \times 2 = \square \rightarrow \boxed{W}$

$10 \times 11 = \square \rightarrow \boxed{S}$

$11 \times 8 = \square \rightarrow \boxed{U}$

$1 \times 9 = \square \rightarrow \boxed{I}$

$6 \times 11 = \square \rightarrow \boxed{P}$

$8 \times 6 = \square \rightarrow \boxed{E}$

$5 \times 10 = \square \rightarrow \boxed{K}$

$2 \times 10 = \square \rightarrow \boxed{F}$

$4 \times 2 = \square \rightarrow \boxed{A}$

$5 \times 7 = \square \rightarrow \boxed{T}$

$4 \times 8 = \square \rightarrow \boxed{O}$

$4 \times 3 = \square \rightarrow \boxed{R}$

$10 \times 12 = \square \rightarrow \boxed{L}$

$1 \times 6 = \square \rightarrow \boxed{H}$

$6 \times 7 = \square \rightarrow \boxed{N}$

$7 \times 11 = \square \rightarrow \boxed{D}$

Scratch space:

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

We find a bag of shiny coins left behind. We need to divide them evenly among our trail guides to keep them happy.

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:

$24 \div 4 = \boxed{}$

$50 \div 10 = \boxed{}$

$15 \div 5 = \boxed{}$

$5 \div 5 = \boxed{}$

$110 \div 10 = \boxed{}$

$4 \div 1 = \boxed{}$

$60 \div 5 = \boxed{}$

$22 \div 11 = \boxed{}$

$45 \div 5 = \boxed{}$

$64 \div 8 = \boxed{}$

$56 \div 8 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain checks the magnetic north, then whistles to the parrot.
2. The villain cuts through thick vines, then feeds bananas to the monkey.
3. The villain scales the steep cliff, then sends the falcon to scout.
4. The villain scales the steep cliff, then whistles to the parrot.
5. The villain scales the steep cliff, then throws a ball for the dog.
6. The villain swings across the canyon, then sends the falcon to scout.
7. The villain decodes the ancient wall, then whistles to the parrot.
8. The villain swings across the canyon, then feeds bananas to the monkey.
9. The villain scales the steep cliff, then catches a tree frog.
10. The villain decodes the ancient wall, then sends the falcon to scout.
11. The villain checks the magnetic north, then catches a tree frog.
12. The villain cuts through thick vines, then sends the falcon to scout.

Answer Key

The Whispering Temple Mystery

Culprit: Dora Marquez

decoder ring · trained falcon · starts walking with the left foot · khaki pith helmet · scared of the dark

Trail: Start 21 → Clue 1 19 → Clue 2 13 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE VILLAIN DOES NOT HAVE A JUNGLE PARROT"

Round 181 to the nearest hundred = 200 (T) · Round 1,093 to the nearest hundred = 1100 (J) · Round 864 to the nearest hundred = 900 (U) · Round 2,294 to the nearest hundred = 2300 (D) · Round 8,839 to the nearest thousand = 9000 (N) · Round 18 to the nearest ten = 20 (H) · Round 49 to the nearest ten = 50 (A) · Round 1,320 to the nearest hundred = 1300 (E) · Round 3,721 to the nearest hundred = 3700 (R) · Round 685 to the nearest hundred = 700 (P) · Round 70 to the nearest ten = 70 (L) · Round 372 to the nearest ten = 370 (O) · Round 30 to the nearest ten = 30 (V) · Round 464 to the nearest hundred = 500 (I) · Round 1,694 to the nearest hundred = 1700 (G) · Round 110 to the nearest ten = 110 (S)

Clue 2 (Addition): "THE THIEF STEPPED LEFT IN THE MUD"

$1953 + 2571 = 4524$ (T) · $1996 + 3478 = 5474$ (E) · $4208 + 5517 = 9725$ (L) · $3220 + 4554 = 7774$ (F) · $4144 + 5727 = 9871$ (M) · $3553 + 3922 = 7475$ (S) · $4293 + 2567 = 6860$ (U) · $2078 + 1746 = 3824$ (H) · $5552 + 3592 = 9144$ (N) · $1440 + 2878 = 4318$ (D) · $2401 + 1807 = 4208$ (I) · $1726 + 1047 = 2773$ (P)

Clue 3 (Subtraction): "THEY RAN AWAY WHEN THE TORCH WENT OUT"

$4220 - 2051 = 2169$ (T) · $9878 - 4309 = 5569$ (A) · $4514 - 3363 = 1151$ (C) · $3991 - 1758 = 2233$ (W) · $6674 - 2640 = 4034$ (U) · $8509 - 1076 = 7433$ (H) · $12120 - 3940 = 8180$ (E) · $6164 - 2162 = 4002$ (Y) · $9166 - 2073 = 7093$ (N) · $7186 - 3265 = 3921$ (O) · $6025 - 1751 = 4274$ (R)

Clue 4 (Multiplication facts (1-12)): "WE FOUND KHAKI STRAPS NEAR THE WALL"

$11 \times 2 = 22$ (W) · $10 \times 11 = 110$ (S) · $11 \times 8 = 88$ (U) · $1 \times 9 = 9$ (I) · $6 \times 11 = 66$ (P) · $8 \times 6 = 48$ (E) · $5 \times 10 = 50$ (K) · $2 \times 10 = 20$ (F) · $4 \times 2 = 8$ (A) · $5 \times 7 = 35$ (T) · $4 \times 8 = 32$ (O) · $4 \times 3 = 12$ (R) · $10 \times 12 = 120$ (L) · $1 \times 6 = 6$ (H) · $6 \times 7 = 42$ (N) · $7 \times 11 = 77$ (D)

Clue 5 (Division facts (1-12)): surviving statement is box 10 → Dora Marquez

$24 \div 4 = 6$ · $50 \div 10 = 5$ · $15 \div 5 = 3$ · $5 \div 5 = 1$ · $110 \div 10 = 11$ · $4 \div 1 = 4$ · $60 \div 5 = 12$ · $22 \div 11 = 2$ · $45 \div 5 = 9$ · $64 \div 8 = 8$ · $56 \div 8 = 7$