



The Temple of Lost Maps

Grade 5 math · Multiplication, Word problems, Fractions of a number, Order of operations, Division · Reading level grades 5-6

Detective: _____ Date: _____

The legendary Golden Compass has been stolen from the Temple of Lost Maps! A rival explorer slipped past the stone traps, swiped the relic, and left a trail of mysterious clues. It is up to you to crack the codes, track the suspect, and save the artifact!

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 rival explorer is _____

Possible suspects

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

NAME	SIGNATURE GEAR	SPECIAL BADGE	WRITING HAND	HAT CHOICE	PHOBIA
Maya	bright headlamp	trap disarming badge	right-handed writer	baseball cap	scared of heights
Harriet	sturdy machete	mapmaking badge	right-handed writer	baseball cap	scared of snakes
Toby	grappling hook	mapmaking badge	right-handed writer	safari helmet	scared of spiders
Zane	golden compass	ancient languages badge	left-handed writer	baseball cap	scared of spiders
Hudson	grappling hook	jungle survival badge	right-handed writer	safari helmet	scared of spiders
Amelia	brass spyglass	rock climbing badge	right-handed writer	woolen beanie	scared of heights
Freya	golden compass	mapmaking badge	right-handed writer	safari helmet	scared of spiders
Wyatt	golden compass	trap disarming badge	right-handed writer	safari helmet	scared of spiders
Kira	grappling hook	trap disarming badge	left-handed writer	baseball cap	scared of heights
Ernest	brass spyglass	ancient languages badge	right-handed writer	safari helmet	scared of heights
Darwin	brass spyglass	mapmaking badge	right-handed writer	baseball cap	scared of spiders
Indiana	sturdy machete	mapmaking badge	right-handed writer	woolen beanie	scared of heights
Finn	bright headlamp	trap disarming badge	left-handed writer	safari helmet	scared of spiders
Lara	grappling hook	rock climbing badge	right-handed writer	safari helmet	scared of spiders
Sacagawea	grappling hook	trap disarming badge	right-handed writer	safari helmet	scared of heights
Jacques	brass spyglass	ancient languages badge	left-handed writer	safari helmet	scared of snakes
Leo	bright headlamp	ancient languages badge	left-handed writer	baseball cap	scared of snakes
Zora	bright headlamp	ancient languages badge	right-handed writer	woolen beanie	scared of spiders
Lewis	sturdy machete	rock climbing badge	right-handed writer	woolen beanie	scared of spiders
Percy	golden compass	trap disarming badge	left-handed writer	safari helmet	scared of heights
Nellie	bright headlamp	mapmaking badge	left-handed writer	woolen beanie	scared of snakes

CLUE 1
Multiplication facts (1-12)

We found the camp pantry. The supply crates are stacked in neat rows, and multiplying the rows by the columns tells us how many rations the thief took.

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

T			T											T				
7	21	3	7	21	84	3	27	8	49	3	9	45	49	7	21	36	90	3
36	18	48	84	2	144	84	45	88	144	36	8	88	3					

$1 \times 7 = \square \rightarrow \text{[T]}$

$9 \times 3 = \square \rightarrow \text{[F]}$

$3 \times 3 = \square \rightarrow \text{[S]}$

$12 \times 12 = \square \rightarrow \text{[B]}$

$3 \times 1 = \square \rightarrow \text{[E]}$

$9 \times 5 = \square \rightarrow \text{[N]}$

$7 \times 7 = \square \rightarrow \text{[O]}$

$12 \times 3 = \square \rightarrow \text{[A]}$

$12 \times 7 = \square \rightarrow \text{[I]}$

$7 \times 3 = \square \rightarrow \text{[H]}$

$9 \times 2 = \square \rightarrow \text{[C]}$

$8 \times 6 = \square \rightarrow \text{[L]}$

$8 \times 1 = \square \rightarrow \text{[D]}$

$2 \times 1 = \square \rightarrow \text{[M]}$

$10 \times 9 = \square \rightarrow \text{[V]}$

$8 \times 11 = \square \rightarrow \text{[G]}$

Scratch space:

CLUE 2

Word problems

An old logbook lay open on the table. Solving this quick word problem about travel distances will reveal which direction the suspect fled.

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

A witness saw the villain was

R									D	E	D	W	R				E	R
60	85	51	66	97	66	10	56					60	85	97			60	

Explorer lined up 5 rows of 12 backpack. How many backpack in all?

Answer: → **R**

There were 68 backpack. 17 were used up. How many backpack are left?

Answer: → **G**

Explorer found 28 binoculars yesterday and 69 more today. How many binoculars in all?

Answer: → **T**

Explorer lined up 5 rows of 2 backpack. How many backpack in all?

Answer: → **A**

There were 104 canteen. 19 were used up. How many canteen are left?

Answer: → **I**

Explorer lined up 11 rows of 6 backpack. How many backpack in all?

Answer: → **H**

There were 81 binoculars. 25 were used up. How many binoculars are left?

Answer: → **N**

Scratch space:

CLUE 3

Fractions of a number

A pouch of ancient emeralds was left behind. If we calculate the exact fraction of the gems that are fake, we can decode the next step.

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

T			T															
23	13	11	23	13	39	11	28	7	25	26	25	10	25	6	28	7	16	2
	T																	
25	23	39	26	6	12	3	26	36	4	11	31	24	39	27	11	7		

$$2/6 \text{ of } 69 = \square \rightarrow \boxed{\text{T}}$$

$$1/3 \text{ of } 93 = \square \rightarrow \boxed{\text{S}}$$

$$1/2 \text{ of } 78 = \square \rightarrow \boxed{\text{I}}$$

$$5/10 \text{ of } 50 = \square \rightarrow \boxed{\text{A}}$$

$$5/10 \text{ of } 72 = \square \rightarrow \boxed{\text{G}}$$

$$3/5 \text{ of } 20 = \square \rightarrow \boxed{\text{J}}$$

$$2/10 \text{ of } 30 = \square \rightarrow \boxed{\text{Y}}$$

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

$$1/6 \text{ of } 162 = \square \rightarrow \boxed{\text{D}}$$

$$2/8 \text{ of } 104 = \square \rightarrow \boxed{\text{N}}$$

$$2/10 \text{ of } 55 = \square \rightarrow \boxed{\text{E}}$$

$$2/5 \text{ of } 60 = \square \rightarrow \boxed{\text{P}}$$

$$1/3 \text{ of } 48 = \square \rightarrow \boxed{\text{O}}$$

$$1/5 \text{ of } 140 = \square \rightarrow \boxed{\text{F}}$$

$$3/5 \text{ of } 5 = \square \rightarrow \boxed{\text{U}}$$

$$3/6 \text{ of } 20 = \square \rightarrow \boxed{\text{W}}$$

$$1/10 \text{ of } 130 = \square \rightarrow \boxed{\text{H}}$$

$$4/8 \text{ of } 4 = \square \rightarrow \boxed{\text{M}}$$

$$2/6 \text{ of } 12 = \square \rightarrow \boxed{\text{L}}$$

Scratch space:

CLUE 4

Order of operations

The temple door has a strange dial combination. To unlock it, we must solve the steps of this puzzle in the correct mathematical order.

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

W																	
28	14	53	59	69	58	8	43	58	59	23	8	9	43	53	43	45	72
10	14	23	50	14	60	72	58	60	10	14	8	72	45	60			

$12 + 8 \times 2 = \square \rightarrow \text{W}$

$2 + 3 \times 4 = \square \rightarrow \text{E}$

$50 + 3 \times 3 = \square \rightarrow \text{O}$

$6 \times 8 - 5 = \square \rightarrow \text{A}$

$3 + 6 \times 7 = \square \rightarrow \text{R}$

$7 \times 10 - 1 = \square \rightarrow \text{U}$

$2 \times 8 - 8 = \square \rightarrow \text{D}$

$8 \times 3 - 14 = \square \rightarrow \text{H}$

$11 \times 8 - 30 = \square \rightarrow \text{N}$

$5 + 2 \times 2 = \square \rightarrow \text{S}$

$36 + 8 \times 3 = \square \rightarrow \text{T}$

$7 \times 11 - 24 = \square \rightarrow \text{F}$

$8 \times 11 - 16 = \square \rightarrow \text{I}$

$4 \times 9 - 13 = \square \rightarrow \text{L}$

$20 + 5 \times 6 = \square \rightarrow \text{M}$

Scratch space:

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

Our team found a pile of ancient coins. Splitting them equally among our explorers tells us the number of suspects remaining.

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:

$32 \div 8 = \boxed{}$

$42 \div 6 = \boxed{}$

$10 \div 1 = \boxed{}$

$36 \div 3 = \boxed{}$

$22 \div 11 = \boxed{}$

$8 \div 8 = \boxed{}$

$96 \div 12 = \boxed{}$

$6 \div 1 = \boxed{}$

$30 \div 6 = \boxed{}$

$18 \div 6 = \boxed{}$

$54 \div 6 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain navigated the winding forest paths, then translated the ancient stone tablets.
2. The villain spied on the temple guards, then deactivated the poison dart traps.
3. The villain lit up the dark stone tunnels, then translated the ancient stone tablets.
4. The villain swung across the deep chasm, then built a quick shelter from giant leaves.
5. The villain hacked through the thick vines, then deactivated the poison dart traps.
6. The villain lit up the dark stone tunnels, then sketched a map of the secret ruins.
7. The villain navigated the winding forest paths, then sketched a map of the secret ruins.
8. The villain spied on the temple guards, then sketched a map of the secret ruins.
9. The villain swung across the deep chasm, then translated the ancient stone tablets.
10. The villain navigated the winding forest paths, then deactivated the poison dart traps.
11. The villain swung across the deep chasm, then sketched a map of the secret ruins.
12. The villain spied on the temple guards, then translated the ancient stone tablets.

Answer Key

The Temple of Lost Maps

Culprit: Toby

grappling hook · mapmaking badge · right-handed writer · safari helmet · scared of spiders

Trail: Start 21 → Clue 1 18 → Clue 2 11 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE THIEF DOES NOT HAVE A CLIMBING BADGE"

$1 \times 7 = 7$ (T) · $9 \times 3 = 27$ (F) · $3 \times 3 = 9$ (S) · $12 \times 12 = 144$ (B) · $3 \times 1 = 3$ (E) · $9 \times 5 = 45$ (N) · $7 \times 7 = 49$ (O) · $12 \times 3 = 36$ (A) · $12 \times 7 = 84$ (I) · $7 \times 3 = 21$ (H) · $9 \times 2 = 18$ (C) · $8 \times 6 = 48$ (L) · $8 \times 1 = 8$ (D) · $2 \times 1 = 2$ (M) · $10 \times 9 = 90$ (V) · $8 \times 11 = 88$ (G)

Clue 2 (Word problems): "RIGHT HANDED WRITER"

Explorer lined up 5 rows of 12 backpack. How many backpack in all? = 60 (R) · There were 68 backpack. 17 were used up. How many backpack are left? = 51 (G) · Explorer found 28 binoculars yesterday and 69 more today. How many binoculars in all? = 97 (T) · Explorer lined up 5 rows of 2 backpack. How many backpack in all? = 10 (A) · There were 104 canteen. 19 were used up. How many canteen are left? = 85 (I) · Explorer lined up 11 rows of 6 backpack. How many backpack in all? = 66 (H) · There were 81 binoculars. 25 were used up. How many binoculars are left? = 56 (N)

Clue 3 (Fractions of a number): "THE THIEF RAN AWAY FROM A TINY JUNGLE SPIDER"

$2/6$ of 69 = 23 (T) · $1/3$ of 93 = 31 (S) · $1/2$ of 78 = 39 (I) · $5/10$ of 50 = 25 (A) · $5/10$ of 72 = 36 (G) · $3/5$ of 20 = 12 (J) · $2/10$ of 30 = 6 (Y) · $1/2$ of 14 = 7 (R) · $1/6$ of 162 = 27 (D) · $2/8$ of 104 = 26 (N) · $2/10$ of 55 = 11 (E) · $2/5$ of 60 = 24 (P) · $1/3$ of 48 = 16 (O) · $1/5$ of 140 = 28 (F) · $3/5$ of 5 = 3 (U) · $3/6$ of 20 = 10 (W) · $1/10$ of 130 = 13 (H) · $4/8$ of 4 = 2 (M) · $2/6$ of 12 = 4 (L)

Clue 4 (Order of operations): "WE FOUND AN OLD SAFARI HELMET IN THE DIRT"

$12 + 8 \times 2 = 28$ (W) · $2 + 3 \times 4 = 14$ (E) · $50 + 3 \times 3 = 59$ (O) · $6 \times 8 - 5 = 43$ (A) · $3 + 6 \times 7 = 45$ (R) · $7 \times 10 - 1 = 69$ (U) · $2 \times 8 - 8 = 8$ (D) · $8 \times 3 - 14 = 10$ (H) · $11 \times 8 - 30 = 58$ (N) · $5 + 2 \times 2 = 9$ (S) · $36 + 8 \times 3 = 60$ (T) · $7 \times 11 - 24 = 53$ (F) · $8 \times 11 - 16 = 72$ (I) · $4 \times 9 - 13 = 23$ (L) · $20 + 5 \times 6 = 50$ (M)

Clue 5 (Division facts (1-12)): surviving statement is box 11 → Toby

$32 \div 8 = 4$ · $42 \div 6 = 7$ · $10 \div 1 = 10$ · $36 \div 3 = 12$ · $22 \div 11 = 2$ · $8 \div 8 = 1$ · $96 \div 12 = 8$ · $6 \div 1 = 6$ · $30 \div 6 = 5$ · $18 \div 6 = 3$ · $54 \div 6 = 9$