



The Mystery of the Misty Jungle Temple

Grade 5 math · Multiplication, Rounding, Place value, Fractions of a number, Division · Reading level grades 5-6

Detective: _____ Date: _____

Someone snuck into the Misty Jungle Temple and took the golden idol from the Head Archaeologist! Follow the footprints and decode the clues to catch the temple 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	PRIMARY SKILL	ADVENTURE GEAR	DOMINANT HAND	HAIR STYLE	FOILED BY
Flynn	Vine Swing	Compass Watch	Left Handed	Dusty Blonde	Loud Whistle
Jack	Blowdart	Brass Telescope	Right Handed	Dusty Blonde	Loud Whistle
Finn	Blowdart	Brass Telescope	Left Handed	Curly Red	Mirror Flash
Diego	Smoke Bomb	Compass Watch	Right Handed	Braided Black	Mirror Flash
Dora	Blowdart	Compass Watch	Right Handed	Braided Black	Loud Whistle
Nate	Blowdart	Grappling Hook	Right Handed	Dusty Blonde	Mirror Flash
Felix	Vine Swing	Signal Flare	Left Handed	Curly Red	Mirror Flash
Maya	Vine Swing	Brass Telescope	Left Handed	Braided Black	Loud Whistle
Indiana	Vine Swing	Brass Telescope	Right Handed	Curly Red	Mirror Flash
Zoe	Torch Flash	Compass Watch	Right Handed	Curly Red	Mirror Flash
Sam	Blowdart	Brass Telescope	Right Handed	Curly Red	Loud Whistle
Lara	Map Decoder	Brass Telescope	Left Handed	Curly Red	Water Balloon
Sully	Blowdart	Grappling Hook	Right Handed	Curly Red	Water Balloon
Milo	Map Decoder	Grappling Hook	Left Handed	Dusty Blonde	Water Balloon
Hazel	Blowdart	Rope Ladder	Left Handed	Braided Black	Loud Whistle
Ruby	Vine Swing	Rope Ladder	Left Handed	Curly Red	Water Balloon
Sienna	Blowdart	Signal Flare	Left Handed	Dusty Blonde	Water Balloon
Chloe	Map Decoder	Brass Telescope	Right Handed	Curly Red	Mirror Flash
Piper	Map Decoder	Grappling Hook	Right Handed	Curly Red	Mirror Flash
Jasper	Blowdart	Compass Watch	Right Handed	Curly Red	Mirror Flash
Cora	Map Decoder	Brass Telescope	Right Handed	Curly Red	Loud Whistle

CLUE 1

Multiplication facts (1-12)

You inspect the camp supply crates laid out in neat rows to calculate how many trail rations were taken.

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

T													
36	100	81	84	6	120	40	81	84	100	6	2	1	121

80	84	6	33	33	54	120	1	80	100	121	121	66

$3 \times 12 = \square \rightarrow \boxed{\text{T}}$

$6 \times 1 = \square \rightarrow \boxed{\text{A}}$

$3 \times 11 = \square \rightarrow \boxed{\text{P}}$

$11 \times 11 = \square \rightarrow \boxed{\text{O}}$

$10 \times 10 = \square \rightarrow \boxed{\text{H}}$

$1 \times 1 = \square \rightarrow \boxed{\text{N}}$

$6 \times 9 = \square \rightarrow \boxed{\text{L}}$

$10 \times 12 = \square \rightarrow \boxed{\text{I}}$

$1 \times 2 = \square \rightarrow \boxed{\text{S}}$

$11 \times 6 = \square \rightarrow \boxed{\text{K}}$

$8 \times 5 = \square \rightarrow \boxed{\text{D}}$

$9 \times 9 = \square \rightarrow \boxed{\text{E}}$

$10 \times 8 = \square \rightarrow \boxed{\text{G}}$

$7 \times 12 = \square \rightarrow \boxed{\text{R}}$

Scratch space:

CLUE 2 Rounding

The expedition radar gives an estimated distance readout, so you round to the nearest hundred to pinpoint the trail.

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

W									W						
700	20	2900	900	3000	230	230	230	3700	700	3700	2000	20	2300	110	2900
110	3700	900	1100	3000	1100	230	90	70	9000	2900					

Round 652 to the nearest hundred → **W**

Round 2,608 to the nearest thousand → **E**

Round 88 to the nearest ten → **C**

Round 3,697 to the nearest hundred → **A**

Round 232 to the nearest ten → **S**

Round 2,341 to the nearest hundred → **G**

Round 1,982 to the nearest thousand → **R**

Round 1,117 to the nearest hundred → **D**

Round 2,895 to the nearest hundred → **T**

Round 20 to the nearest ten → **I**

Round 70 to the nearest ten → **O**

Round 110 to the nearest ten → **H**

Round 862 to the nearest hundred → **N**

Round 9,466 to the nearest thousand → **U**

Scratch space:

CLUE 3 Place value

You decipher the four-digit lock on the temple door by checking the place value of each carved glyph.

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

H															
2000	70	400	700	4000	60	70	6000	3000	50	80	400	400	700	400	
				H											
8000	500	3000	60	2000	20	700	70	60	300	3000	90	70			

What is the value of the 2 in 62,553? → **H**

What is the value of the 7 in 442,799? → **O**

What is the value of the 6 in 700,163? → **S**

What is the value of the 4 in 181,473? → **R**

What is the value of the 3 in 653,812? → **A**

What is the value of the 8 in 78,695? → **F**

What is the value of the 8 in 30,785? → **I**

What is the value of the 5 in 19,057? → **M**

What is the value of the 3 in 275,314? → **C**

What is the value of the 6 in 26,041? → **D**

What is the value of the 4 in 14,031? → **U**

What is the value of the 2 in 95,827? → **T**

What is the value of the 9 in 376,697? → **P**

What is the value of the 5 in 33,543? → **L**

What is the value of the 7 in 45,571? → **E**

Scratch space:

CLUE 4

Fractions of a number

The camp cook shares out the leftover canteen water by calculating fractions of the total supply.

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

F																			
33	10	32	18	38	5	32	34	2	26	34	31	38	39	25	34	40	18	38	39

10	18	25	34	31

$$3/6 \text{ of } 66 = \boxed{} \rightarrow \boxed{\text{F}}$$

$$4/8 \text{ of } 64 = \boxed{} \rightarrow \boxed{\text{U}}$$

$$3/10 \text{ of } 130 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$2/10 \text{ of } 25 = \boxed{} \rightarrow \boxed{\text{C}}$$

$$1/3 \text{ of } 102 = \boxed{} \rightarrow \boxed{\text{R}}$$

$$1/4 \text{ of } 8 = \boxed{} \rightarrow \boxed{\text{L}}$$

$$1/5 \text{ of } 125 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$1/4 \text{ of } 72 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$1/8 \text{ of } 80 = \boxed{} \rightarrow \boxed{\text{O}}$$

$$5/10 \text{ of } 80 = \boxed{} \rightarrow \boxed{\text{A}}$$

$$1/6 \text{ of } 186 = \boxed{} \rightarrow \boxed{\text{E}}$$

$$4/10 \text{ of } 65 = \boxed{} \rightarrow \boxed{\text{Y}}$$

$$2/3 \text{ of } 57 = \boxed{} \rightarrow \boxed{\text{D}}$$

Scratch space:

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

You divide the total path markers equally among your scout team to cover every exit route.

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:

$11 \div 1 = \boxed{}$

$32 \div 4 = \boxed{}$

$45 \div 9 = \boxed{}$

$70 \div 7 = \boxed{}$

$60 \div 10 = \boxed{}$

$20 \div 10 = \boxed{}$

$12 \div 3 = \boxed{}$

$81 \div 9 = \boxed{}$

$24 \div 2 = \boxed{}$

$28 \div 4 = \boxed{}$

$9 \div 9 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain dropped a thick smoke bomb, then unrolled a heavy rope ladder.
2. The villain decoded an ancient stone map, then checked a brass compass watch.
3. The villain swung across on a jungle vine, then spotted camp with a brass telescope.
4. The villain dropped a thick smoke bomb, then checked a brass compass watch.
5. The villain decoded an ancient stone map, then spotted camp with a brass telescope.
6. The villain dropped a thick smoke bomb, then spotted camp with a brass telescope.
7. The villain decoded an ancient stone map, then anchored a steel grappling hook.
8. The villain flashed a bright torch, then checked a brass compass watch.
9. The villain shot a harmless sleepy blowdart, then launched a bright signal flare.
10. The villain flashed a bright torch, then launched a bright signal flare.
11. The villain shot a harmless sleepy blowdart, then checked a brass compass watch.
12. The villain dropped a thick smoke bomb, then anchored a steel grappling hook.

Answer Key

The Mystery of the Misty Jungle Temple

Culprit: Indiana

Vine Swing · Brass Telescope · Right Handed · Curly Red · Mirror Flash

Trail: Start 21 → Clue 1 17 → Clue 2 9 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE RAIDER HAS NO GRAPPLING HOOK"

$3 \times 12 = 36$ (T) · $6 \times 1 = 6$ (A) · $3 \times 11 = 33$ (P) · $11 \times 11 = 121$ (O) · $10 \times 10 = 100$ (H) · $1 \times 1 = 1$ (N) · $6 \times 9 = 54$ (L) · $10 \times 12 = 120$ (I) · $1 \times 2 = 2$ (S) · $11 \times 6 = 66$ (K) · $8 \times 5 = 40$ (D) · $9 \times 9 = 81$ (E) · $10 \times 8 = 80$ (G) · $7 \times 12 = 84$ (R)

Clue 2 (Rounding): "WITNESS SAW A RIGHT HANDED SCOUT"

Round 652 to the nearest hundred = 700 (W) · Round 2,608 to the nearest thousand = 3000 (E) · Round 88 to the nearest ten = 90 (C) · Round 3,697 to the nearest hundred = 3700 (A) · Round 232 to the nearest ten = 230 (S) · Round 2,341 to the nearest hundred = 2300 (G) · Round 1,982 to the nearest thousand = 2000 (R) · Round 1,117 to the nearest hundred = 1100 (D) · Round 2,895 to the nearest hundred = 2900 (T) · Round 20 to the nearest ten = 20 (I) · Round 70 to the nearest ten = 70 (O) · Round 110 to the nearest ten = 110 (H) · Round 862 to the nearest hundred = 900 (N) · Round 9,466 to the nearest thousand = 9000 (U)

Clue 3 (Place value): "HERO USED A MIRROR FLASH TO ESCAPE"

What is the value of the 2 in 62,553? = 2000 (H) · What is the value of the 7 in 442,799? = 700 (O) · What is the value of the 6 in 700,163? = 60 (S) · What is the value of the 4 in 181,473? = 400 (R) · What is the value of the 3 in 653,812? = 3000 (A) · What is the value of the 8 in 78,695? = 8000 (F) · What is the value of the 8 in 30,785? = 80 (I) · What is the value of the 5 in 19,057? = 50 (M) · What is the value of the 3 in 275,314? = 300 (C) · What is the value of the 6 in 26,041? = 6000 (D) · What is the value of the 4 in 14,031? = 4000 (U) · What is the value of the 2 in 95,827? = 20 (T) · What is the value of the 9 in 376,697? = 90 (P) · What is the value of the 5 in 33,543? = 500 (L) · What is the value of the 7 in 45,571? = 70 (E)

Clue 4 (Fractions of a number): "FOUND CURLY RED STRANDS ON TREE"

$\frac{3}{6}$ of 66 = 33 (F) · $\frac{4}{8}$ of 64 = 32 (U) · $\frac{3}{10}$ of 130 = 39 (S) · $\frac{2}{10}$ of 25 = 5 (C) · $\frac{1}{3}$ of 102 = 34 (R) · $\frac{1}{4}$ of 8 = 2 (L) · $\frac{1}{5}$ of 125 = 25 (T) · $\frac{1}{4}$ of 72 = 18 (N) · $\frac{1}{8}$ of 80 = 10 (O) · $\frac{5}{10}$ of 80 = 40 (A) · $\frac{1}{6}$ of 186 = 31 (E) · $\frac{4}{10}$ of 65 = 26 (Y) · $\frac{2}{3}$ of 57 = 38 (D)

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

$11 \div 1 = 11$ · $32 \div 4 = 8$ · $45 \div 9 = 5$ · $70 \div 7 = 10$ · $60 \div 10 = 6$ · $20 \div 10 = 2$ · $12 \div 3 = 4$ · $81 \div 9 = 9$ · $24 \div 2 = 12$ · $28 \div 4 = 7$ · $9 \div 9 = 1$