



The Lost Temple Treasure Mystery

Grade 4 math · Fractions of a number, Rounding, Place value, Skip counting · Reading level grades 3-4

Detective: _____ Date: _____

Someone raided the ancient Golden Sun Temple and stole the Sun Disk! The Museum Curator needs your detective skills to find which rogue explorer did it.

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	MAIN TOOL	EXTRA GEAR	HABIT	HAT COLOR	WEAK SPOT
Tenzing Norgay	Machete	Diving Suit	Left Handed	Tan Helmet	Loud Whistle
Freya Stark	Grappling Hook	Climbing Rope	Left Handed	Green Cap	Sneezy Dust
Amelia Earhart	Flashlight	Climbing Rope	Right Handed	Tan Helmet	Loud Whistle
Jack Wilderness	Machete	Diving Suit	Left Handed	Tan Helmet	Sneezy Dust
Lara Croft	Flashlight	Binoculars	Right Handed	Green Cap	Sneezy Dust
Matthew Henson	Metal Detector	Climbing Rope	Left Handed	Green Cap	Sneezy Dust
Marco Polo	Metal Detector	Diving Suit	Left Handed	Tan Helmet	Loud Whistle
Alexandra David	Metal Detector	Climbing Rope	Right Handed	Brown Fedora	Loud Whistle
Bear Grylls	Metal Detector	Jetpack	Left Handed	Tan Helmet	Loud Whistle
Nathan Drake	Grappling Hook	Diving Suit	Right Handed	Green Cap	Bright Light
Jacques Cousteau	Flashlight	Climbing Rope	Right Handed	Tan Helmet	Sneezy Dust
Edmund Hillary	Metal Detector	Parachute	Right Handed	Green Cap	Sneezy Dust
Ernest Shackleton	Machete	Diving Suit	Left Handed	Green Cap	Loud Whistle
Percy Fawcett	Metal Detector	Parachute	Left Handed	Tan Helmet	Loud Whistle
Gertrude Bell	Grappling Hook	Jetpack	Left Handed	Brown Fedora	Sneezy Dust
Hiram Bingham	Machete	Parachute	Left Handed	Tan Helmet	Sneezy Dust
Jane Goodall	Compass	Climbing Rope	Left Handed	Tan Helmet	Loud Whistle
Mary Leakey	Flashlight	Binoculars	Right Handed	Brown Fedora	Loud Whistle
Charles Darwin	Machete	Parachute	Right Handed	Brown Fedora	Loud Whistle
Steve Irwin	Machete	Jetpack	Right Handed	Brown Fedora	Bright Light
Nellie Bly	Flashlight	Climbing Rope	Left Handed	Tan Helmet	Bright Light

Fractions of a number

You examine a fragment of the ancient stone map to calculate how many trail miles the thief covered.

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

Diagram illustrating the sequence of boxes and their associated numbers, with 'T' markers indicating specific positions:

Row 1: [T] 7, [] 20, [] 31, [] 25, [] 4, [] 25, [] 17, [] 31, [] 32, [T] 7, [] 33, [] 38, [] 31, [] 25, [] 35, [] 38, [T] 7

Row 2: [] 32, [] 28, [] 37, [] 37, [] 19, [] 28, [] 16, [] 31, [T] 7, [] 17, [] 28, [] 32, [] 39

$\frac{1}{4}$ of 28 = $\rightarrow$ **T**

$\frac{1}{2}$ of 50 = $\rightarrow$ **S**

4/8 of 32 = → **J**

$4/6$ of $42 = \boxed{} \rightarrow \boxed{\text{A}}$

$2/8$ of 148 = $\rightarrow$ **R**

$7/8$ of 40 = $\rightarrow$ **N**

$$\frac{1}{4} \text{ of } 124 = \boxed{} \rightarrow \boxed{\text{E}}$$

$1/10$ of 40 = $\rightarrow$ **U**

$\frac{1}{4}$ of 76 = $\rightarrow$ **Y**

$\frac{1}{3}$ of 99 = $\rightarrow$ **D**

4/10 of 50 = → **H**

$\frac{1}{4}$ of 152 = $\rightarrow$

1/10 of 170 = $\rightarrow$ **P**

$3/6$ of $78 = \square \rightarrow \boxed{\text{K}}$

8/10 of 40 = → **C**

Scratch space:

CLUE 2
Rounding

The camp radio receiver is fuzzy, so the sonar signal only gives a rounded distance to the bandit camp.

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

W									W									
1700	230	3700	4300	2300	290	290	290	170	1700	3700	20	2300	2000	1300	290	2300	170	
130	2300	5000	3700	20	170	4300	110	2300	110	3000	900	230	1100					

Round 1,691 to the nearest hundred → **W**

Round 127 to the nearest ten → **L**

Round 5,484 to the nearest thousand → **F**

Round 171 to the nearest ten → **A**

Round 2,427 to the nearest thousand → **M**

Round 232 to the nearest ten → **I**

Round 290 to the nearest ten → **S**

Round 2,301 to the nearest hundred → **E**

Round 113 to the nearest ten → **D**

Round 1,344 to the nearest hundred → **U**

Round 1,130 to the nearest hundred → **P**

Round 3,739 to the nearest hundred → **T**

Round 892 to the nearest hundred → **R**

Round 2,575 to the nearest thousand → **G**

Round 17 to the nearest ten → **H**

Round 4,254 to the nearest hundred → **N**

Scratch space:

CLUE 3 Place value

You crack the temple door code by looking at the digit in the tens place of the ancient lock.

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

A																			
3000	30	1000	500	100	90	80	7000	60	300	30	800	60	4000	3000	600	800	100		

300	80	800	300	80	7000	800	400	3000	90	3000	700								

What is the value of the 3 in 3,579? → **A**

What is the value of the 3 in 834? → **L**

What is the value of the 1 in 2,179? → **D**

What is the value of the 4 in 416? → **F**

What is the value of the 3 in 314? → **T**

What is the value of the 7 in 765? → **Y**

What is the value of the 5 in 9,581? → **U**

What is the value of the 1 in 1,870? → **O**

What is the value of the 8 in 2,824? → **E**

What is the value of the 6 in 605? → **R**

What is the value of the 9 in 5,191? → **W**

What is the value of the 8 in 383? → **H**

What is the value of the 4 in 4,508? → **C**

What is the value of the 7 in 57,813? → **I**

What is the value of the 6 in 364? → **S**

Scratch space:

CLUE 4 Skip counting

You count footprint prints along the muddy riverbank by skipping in groups across the bank.

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

T									T						T				
6	15	21	45	110	80	30	110	6	130	50	90	15	6	50	45	110	130		

						T													
14	110	90	110	10	21	6	45	110	14	15	80	80							

Skip-count by 2s. Fill the blank: 2, 4, __, 8, 10 → **T**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 → **H**

Skip-count by 5s. Fill the blank: 5, 10, __, 20, 25 → **A**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, __, 24, 27 → **N**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, __, 90, 100 → **L**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 → **S**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, __, 12, 14 → **O**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, __, 60, 70 → **C**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110 → **R**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, __, 33, 36 → **M**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, __, 120, 130 → **E**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, __, 16, 18 → **W**

Scratch space:

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

You calculate how many gold coins were left behind out of the total chest to pinpoint the escape 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:

$6/8 \text{ of } 4 = \boxed{}$

$1/3 \text{ of } 18 = \boxed{}$

$3/6 \text{ of } 22 = \boxed{}$

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

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

$1/2 \text{ of } 10 = \boxed{}$

$1/5 \text{ of } 45 = \boxed{}$

$1/8 \text{ of } 16 = \boxed{}$

$8/10 \text{ of } 10 = \boxed{}$

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

$4/8 \text{ of } 14 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain checked a brass compass, then packed a silk parachute.
2. The villain shined a heavy flashlight, then strapped on a noisy jetpack.
3. The villain checked a brass compass, then coiled a thick climbing rope.
4. The villain swung a machete through vines, then wore a neoprene diving suit.
5. The villain scanned with a metal detector, then strapped on a noisy jetpack.
6. The villain scanned with a metal detector, then wore a neoprene diving suit.
7. The villain swung a machete through vines, then strapped on a noisy jetpack.
8. The villain launched a grappling hook, then adjusted compact binoculars.
9. The villain launched a grappling hook, then packed a silk parachute.
10. The villain swung a machete through vines, then adjusted compact binoculars.
11. The villain scanned with a metal detector, then packed a silk parachute.
12. The villain checked a brass compass, then strapped on a noisy jetpack.

Answer Key

The Lost Temple Treasure Mystery

Culprit: Tenzing Norgay

Machete · Diving Suit · Left Handed · Tan Helmet · Loud Whistle

Trail: Start 21 → Clue 1 18 → Clue 2 10 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Fractions of a number): "THE SUSPECT DOES NOT CARRY A JETPACK"

$\frac{1}{4}$ of 28 = 7 (T) · $\frac{1}{2}$ of 50 = 25 (S) · $\frac{4}{8}$ of 32 = 16 (J) · $\frac{4}{6}$ of 42 = 28 (A) · $\frac{2}{8}$ of 148 = 37 (R) · $\frac{7}{8}$ of 40 = 35 (N) · $\frac{1}{4}$ of 124 = 31 (E) · $\frac{1}{10}$ of 40 = 4 (U) · $\frac{1}{4}$ of 76 = 19 (Y) · $\frac{1}{3}$ of 99 = 33 (D) · $\frac{4}{10}$ of 50 = 20 (H) · $\frac{1}{4}$ of 152 = 38 (O) · $\frac{1}{10}$ of 170 = 17 (P) · $\frac{3}{6}$ of 78 = 39 (K) · $\frac{8}{10}$ of 40 = 32 (C)

Clue 2 (Rounding): "WITNESS SAW THEM USE A LEFT HANDED GRIP"

Round 1,691 to the nearest hundred = 1700 (W) · Round 127 to the nearest ten = 130 (L) · Round 5,484 to the nearest thousand = 5000 (F) · Round 171 to the nearest ten = 170 (A) · Round 2,427 to the nearest thousand = 2000 (M) · Round 232 to the nearest ten = 230 (I) · Round 290 to the nearest ten = 290 (S) · Round 2,301 to the nearest hundred = 2300 (E) · Round 113 to the nearest ten = 110 (D) · Round 1,344 to the nearest hundred = 1300 (U) · Round 1,130 to the nearest hundred = 1100 (P) · Round 3,739 to the nearest hundred = 3700 (T) · Round 892 to the nearest hundred = 900 (R) · Round 2,575 to the nearest thousand = 3000 (G) · Round 17 to the nearest ten = 20 (H) · Round 4,254 to the nearest hundred = 4300 (N)

Clue 3 (Place value): "A LOUD WHISTLE SCARED THE THIEF AWAY"

What is the value of the 3 in 3,579? = 3000 (A) · What is the value of the 3 in 834? = 30 (L) · What is the value of the 1 in 2,179? = 100 (D) · What is the value of the 4 in 416? = 400 (F) · What is the value of the 3 in 314? = 300 (T) · What is the value of the 7 in 765? = 700 (Y) · What is the value of the 5 in 9,581? = 500 (U) · What is the value of the 1 in 1,870? = 1000 (O) · What is the value of the 8 in 2,824? = 800 (E) · What is the value of the 6 in 605? = 600 (R) · What is the value of the 9 in 5,191? = 90 (W) · What is the value of the 8 in 383? = 80 (H) · What is the value of the 4 in 4,508? = 4000 (C) · What is the value of the 7 in 57,813? = 7000 (I) · What is the value of the 6 in 364? = 60 (S)

Clue 4 (Skip counting): "TAN HELMET SCRATCHES WERE ON THE WALL"

Skip-count by 2s. Fill the blank: 2, 4, __, 8, 10 = 6 (T) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 = 45 (H) · Skip-count by 5s. Fill the blank: 5, 10, __, 20, 25 = 15 (A) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, __, 24, 27 = 21 (N) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, __, 90, 100 = 80 (L) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 = 130 (S) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, __, 12, 14 = 10 (O) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, __, 60, 70 = 50 (C) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110 = 90 (R) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, __, 33, 36 = 30 (M) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, __, 120, 130 = 110 (E) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, __, 16, 18 = 14 (W)

Clue 5 (Fractions of a number): surviving statement is box 4 → Tenzing Norgay

$\frac{6}{8}$ of 4 = 3 · $\frac{1}{3}$ of 18 = 6 · $\frac{3}{6}$ of 22 = 11 · $\frac{3}{10}$ of 40 = 12 · $\frac{1}{10}$ of 100 = 10 · $\frac{1}{2}$ of 10 = 5 · $\frac{1}{5}$ of 45 = 9 · $\frac{1}{8}$ of 16 = 2 · $\frac{8}{10}$ of 10 = 8 · $\frac{2}{8}$ of 4 = 1 · $\frac{4}{8}$ of 14 = 7