



The Golden Monkey Mystery

Grade 4 math · Fractions of a number, Rounding, Addition, Subtraction · Reading level grades 3-4

Detective: _____ **Date:** _____

The Golden Monkey Statue has vanished from the jungle temple! A rogue explorer sneaked past the traps and took it. It is up to our Jungle Patrol to track them down using clues left along the muddy path.

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 GEAR	CAMP TOOL	HANDS HANDEDNESS	HAIR COLOR	AVOIDED TRAP
Zoe Tracker	decoder ring	canteen tool	right handed grip	bright red hair	banana peel
Joy Path	grappling hook	mini compass	left handed grip	sandy blonde hair	banana peel
Maya Finder	laser flashlight	signal mirror	left handed grip	dusty brown hair	banana peel
Wes Peak	decoder ring	survival shovel	left handed grip	bright red hair	quicksand bog
Pam Cave	decoder ring	survival shovel	right handed grip	bright red hair	banana peel
Roy Clay	grappling hook	multitool axe	right handed grip	dusty brown hair	banana peel
Tess Fern	climbing boots	canteen tool	right handed grip	dusty brown hair	banana peel
Leo Explorer	grappling hook	multitool axe	right handed grip	bright red hair	banana peel
Dan Rope	decoder ring	survival shovel	right handed grip	dusty brown hair	banana peel
Guy Torch	sonar headset	multitool axe	left handed grip	sandy blonde hair	net trap
Amy Moss	climbing boots	survival shovel	right handed grip	dusty brown hair	net trap
Rex Dig	sonar headset	survival shovel	right handed grip	sandy blonde hair	banana peel
Eli Map	sonar headset	mini compass	right handed grip	dusty brown hair	quicksand bog
Max Stone	sonar headset	canteen tool	right handed grip	dusty brown hair	banana peel
Ned Gear	climbing boots	signal mirror	right handed grip	sandy blonde hair	net trap
Ian Boots	grappling hook	mini compass	right handed grip	dusty brown hair	banana peel
Ivy Vine	decoder ring	mini compass	left handed grip	bright red hair	quicksand bog
Kai Hunter	climbing boots	mini compass	left handed grip	bright red hair	quicksand bog
Sam Scout	laser flashlight	signal mirror	left handed grip	sandy blonde hair	quicksand bog
Eva Camp	climbing boots	mini compass	left handed grip	bright red hair	net trap
Ava Trail	climbing boots	multitool axe	left handed grip	dusty brown hair	banana peel

Fractions of a number

The Junior Rangers find a torn journal page. It says only a fraction of the bridge planks are safe to step on. We must calculate the safe steps to cross the river and find the first clue.

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

A 2x15 grid of boxes. The top row contains the following sequence: an orange box with 'T', three empty boxes, an empty box, an empty box, an empty box, an empty box, an empty box, an empty box, an empty box, an empty box, an empty box, an empty box, an empty box, an empty box, an empty box, and an orange box with 'T'. The bottom row contains the following sequence: an empty box, an empty box, an empty box, an empty box, an empty box, an empty box, an empty box, an empty box, an empty box, an orange box with 'T', an empty box, an orange box with 'T', an empty box, an empty box, an empty box, an empty box, an empty box, an empty box, and an empty box.

T																		T	
9	19	10		23	5	36	36	11	5	12		39	6	10	25		12	6	9
19	11	23	10		11		38	33	36	9	5	9	6	6	36		11	13	10

$2/8$ of $36 = \boxed{} \rightarrow \boxed{\text{T}}$

$2/8$ of 156 = $\rightarrow$ **D**

$\frac{1}{8}$ of 96 = $\rightarrow$ **N**

2/6 of 69 = → **V**

$1/10$ of 190 = $\rightarrow$ **H**

$$3/6 \text{ of } 76 = \boxed{} \rightarrow \boxed{\text{M}}$$

5/10 of 10 = $\rightarrow$ **I**

$$\frac{1}{6} \text{ of } 78 = \boxed{} \rightarrow \boxed{\mathbf{X}}$$

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

$5/6$ of 30 = $\rightarrow$ **S**

$\frac{1}{8}$ of 80 = $\rightarrow$ **E**

$3/5$ of 10 = $\rightarrow$

$$\frac{3}{4} \text{ of } 48 = \boxed{} \rightarrow \boxed{\text{L}}$$

$\frac{1}{4}$ of 132 = $\rightarrow$ **U**

Scratch space:

CLUE 2

A digital tracker picks up a signal from the rogue explorer. The screen rounds the distance to the nearest ten meters. We need to round the number to locate the next trail sign.

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

A number line from 0 to 10,000. The line is marked with the following numbers in boxes: 90, 20, 370, 9000, 70, 1300, 370, 170, 200, 3700, 4300, 370, 2300, 2000, 200, 50, 1100, 20, 90. The numbers 90 at the far left and far right are highlighted in orange.

Round 94 to the nearest ten $\rightarrow$ **T**

Round 218 to the nearest hundred $\rightarrow$ **R**

Round 314 to the nearest hundred $\rightarrow$ **D**

Round 370 to the nearest ten $\rightarrow$ **E**

Round 3,658 to the nearest hundred →

Round 20 to the nearest ten $\rightarrow$ **H**

Round 230 to the nearest ten $\rightarrow$ **N**

Round 47 to the nearest ten $\rightarrow$

Round 1,079 to the nearest hundred → **G**

Round 4,341 to the nearest hundred $\rightarrow$ **V**

Round 2,279 to the nearest hundred → **S**

Round 172 to the nearest ten $\rightarrow$ **P**

Round 73 to the nearest ten $\rightarrow$ **L**

Round 8,520 to the nearest thousand → **C**

Round 1,836 to the nearest thousand → **A**

Round 1,282 to the nearest hundred $\rightarrow$ **U**

Scratch space:

CLUE 3 Addition

We find a stash of lost supply crates hidden behind some giant ferns. Let us add up all the juice boxes and energy bars to see how far the runner could have traveled.

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

T																
9032	5207	6220	6663	8378	8469	8469	7896	8378	6098	9588	6220	7896	6573	6220	6074	7896
7049	7896	6098	7896	6098	7896	5570	6220	6220	8469							

$$3336 + 5696 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$4090 + 1984 = \boxed{} \rightarrow \boxed{\text{D}}$$

$$5442 + 2936 = \boxed{} \rightarrow \boxed{\text{I}}$$

$$3103 + 3117 = \boxed{} \rightarrow \boxed{\text{E}}$$

$$5410 + 2486 = \boxed{} \rightarrow \boxed{\text{A}}$$

$$2873 + 2334 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$4008 + 4461 = \boxed{} \rightarrow \boxed{\text{L}}$$

$$4194 + 2379 = \boxed{} \rightarrow \boxed{\text{R}}$$

$$3580 + 3469 = \boxed{} \rightarrow \boxed{\text{B}}$$

$$2363 + 3735 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$3434 + 2136 = \boxed{} \rightarrow \boxed{\text{P}}$$

$$5112 + 4476 = \boxed{} \rightarrow \boxed{\text{F}}$$

$$4551 + 2112 = \boxed{} \rightarrow \boxed{\text{V}}$$

Scratch space:

CLUE 4

The team finds footprints leading into a cave, but some footprints got washed away by the heavy rain. Subtract the ruined prints from the total to count how many are left.

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



5849 6771 1751 3160 8254 6758 6218 6758 2650 5736 5700 6771 5736 5580 6468 4337 5580 5849 1111
 8385 8254 3914 7999 2650 6771 5736 6758 8254

$$7910 - 2061 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$7464 - 3550 = \boxed{} \rightarrow \boxed{\text{O}}$$

$$7778 - 2198 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$5966 - 1629 = \boxed{} \rightarrow \mathbf{U}$$

$$3770 - 2019 = \boxed{} \rightarrow \boxed{\text{E}}$$

$3172 - 522 = \boxed{} \rightarrow \boxed{\text{N}}$

$10383 - 1998 =$ $\rightarrow$ **B**

$$8424 - 1666 = \boxed{} \rightarrow \boxed{}$$

$$8057 - 2357 = \boxed{} \rightarrow \boxed{\text{L}}$$

$6642 - 174 = \boxed{} \rightarrow \boxed{\mathbf{D}}$

$$3354 - 2243 = \boxed{} \rightarrow \boxed{\text{Y}}$$

$4017 - 857 = \boxed{} \rightarrow \boxed{\text{C}}$

$$11676 - 3422 = \boxed{} \rightarrow \boxed{\text{R}}$$

$$9644 - 1645 = \boxed{} \rightarrow \boxed{\text{W}}$$

$$8734 - 2998 = \boxed{} \rightarrow \boxed{\text{A}}$$

$$8265 - 2047 = \boxed{} \rightarrow \boxed{\text{M}}$$

$11285 - 4514 = \boxed{} \rightarrow \boxed{\text{H}}$

Scratch space:

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

A locked stone door blocks the path. The lock requires us to slide a fraction of the heavy crystal keys into the slot. Solve the puzzle to open the door and get the final clue.

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:

$2/10 \text{ of } 5 = \boxed{}$

$2/5 \text{ of } 20 = \boxed{}$

$1/10 \text{ of } 90 = \boxed{}$

$4/6 \text{ of } 9 = \boxed{}$

$2/10 \text{ of } 20 = \boxed{}$

$4/8 \text{ of } 22 = \boxed{}$

$6/8 \text{ of } 16 = \boxed{}$

$5/6 \text{ of } 6 = \boxed{}$

$3/6 \text{ of } 14 = \boxed{}$

$1/10 \text{ of } 30 = \boxed{}$

$4/6 \text{ of } 3 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain crosses the rickety rope bridge, then swipes the golden statue.
2. The villain swings across the canyon, then swipes the golden statue.
3. The villain scrambles up the stone wall, then swipes the golden statue.
4. The villain slides down the muddy slope, then pockets the crystal key.
5. The villain scrambles up the stone wall, then grabs the ruby eyes.
6. The villain slides down the muddy slope, then snatches the ancient scroll.
7. The villain crawls through the secret tunnel, then grabs the ruby eyes.
8. The villain crawls through the secret tunnel, then snatches the ancient scroll.
9. The villain slides down the muddy slope, then swipes the golden statue.
10. The villain swings across the canyon, then pockets the crystal key.
11. The villain crawls through the secret tunnel, then swipes the golden statue.
12. The villain crosses the rickety rope bridge, then pockets the crystal key.

Answer Key

The Golden Monkey Mystery

Culprit: Ian Boots

grappling hook · mini compass · right handed grip · dusty brown hair · banana peel

Trail: Start 21 → Clue 1 17 → Clue 2 10 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Fractions of a number): "THE VILLAIN DOES NOT HAVE A MULTITOOL AXE"

$\frac{2}{8}$ of 36 = 9 (T) · $\frac{2}{8}$ of 156 = 39 (D) · $\frac{1}{8}$ of 96 = 12 (N) · $\frac{2}{6}$ of 69 = 23 (V) · $\frac{1}{10}$ of 190 = 19 (H) · $\frac{3}{6}$ of 76 = 38 (M) · $\frac{5}{10}$ of 10 = 5 (I) · $\frac{1}{6}$ of 78 = 13 (X) · $\frac{2}{10}$ of 55 = 11 (A) · $\frac{5}{6}$ of 30 = 25 (S) · $\frac{1}{8}$ of 80 = 10 (E) · $\frac{3}{5}$ of 10 = 6 (O) · $\frac{3}{4}$ of 48 = 36 (L) · $\frac{1}{4}$ of 132 = 33 (U)

Clue 2 (Rounding): "THE CLUE PROVES A RIGHT HANDED GRIP"

Round 94 to the nearest ten = 90 (T) · Round 218 to the nearest hundred = 200 (R) · Round 314 to the nearest hundred = 300 (D) · Round 370 to the nearest ten = 370 (E) · Round 3,658 to the nearest hundred = 3700 (O) · Round 20 to the nearest ten = 20 (H) · Round 230 to the nearest ten = 230 (N) · Round 47 to the nearest ten = 50 (I) · Round 1,079 to the nearest hundred = 1100 (G) · Round 4,341 to the nearest hundred = 4300 (V) · Round 2,279 to the nearest hundred = 2300 (S) · Round 172 to the nearest ten = 170 (P) · Round 73 to the nearest ten = 70 (L) · Round 8,520 to the nearest thousand = 9000 (C) · Round 1,836 to the nearest thousand = 2000 (A) · Round 1,282 to the nearest hundred = 1300 (U)

Clue 3 (Addition): "THE VILLAIN FEARED A BANANA PEEL"

$3336 + 5696 = 9032$ (T) · $4090 + 1984 = 6074$ (D) · $5442 + 2936 = 8378$ (I) · $3103 + 3117 = 6220$ (E) · $5410 + 2486 = 7896$ (A) · $2873 + 2334 = 5207$ (H) · $4008 + 4461 = 8469$ (L) · $4194 + 2379 = 6573$ (R) · $3580 + 3469 = 7049$ (B) · $2363 + 3735 = 6098$ (N) · $3434 + 2136 = 5570$ (P) · $5112 + 4476 = 9588$ (F) · $4551 + 2112 = 6663$ (V)

Clue 4 (Subtraction): "THE CRIMINAL HAS DUSTY BROWN HAIR"

$7910 - 2061 = 5849$ (T) · $7464 - 3550 = 3914$ (O) · $7778 - 2198 = 5580$ (S) · $5966 - 1629 = 4337$ (U) · $3770 - 2019 = 1751$ (E) · $3172 - 522 = 2650$ (N) · $10383 - 1998 = 8385$ (B) · $8424 - 1666 = 6758$ (I) · $8057 - 2357 = 5700$ (L) · $6642 - 174 = 6468$ (D) · $3354 - 2243 = 1111$ (Y) · $4017 - 857 = 3160$ (C) · $11676 - 3422 = 8254$ (R) · $9644 - 1645 = 7999$ (W) · $8734 - 2998 = 5736$ (A) · $8265 - 2047 = 6218$ (M) · $11285 - 4514 = 6771$ (H)

Clue 5 (Fractions of a number): surviving statement is box 10 → Ian Boots

$\frac{2}{10}$ of 5 = 1 · $\frac{2}{5}$ of 20 = 8 · $\frac{1}{10}$ of 90 = 9 · $\frac{4}{6}$ of 9 = 6 · $\frac{2}{10}$ of 20 = 4 · $\frac{4}{8}$ of 22 = 11 · $\frac{6}{8}$ of 16 = 12 · $\frac{5}{6}$ of 6 = 5 · $\frac{3}{6}$ of 14 = 7 · $\frac{1}{10}$ of 30 = 3 · $\frac{4}{6}$ of 3 = 2