



The Mystery of the Golden Idol

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

Detective: _____ Date: _____

Someone snuck into the central chamber of Sunstone Temple and snatched the ancient Golden Idol! The camp is in chaos, but clues were left behind around the ruins.

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	GEAR ITEM	SPECIALTY SKILL	TORCH POSITION	HEADWEAR	BIGGEST FEAR
Ian Malcolm	Compass Tool	Wall Climbing	Torch on Right Belt	Bandana Cap	Fear of Snakes
Indiana Jones	Compass Tool	Wall Climbing	Torch on Right Belt	Pith Helmet	Allergic to Pollen
Evie Carnahan	Grappling Hook	Map Reading	Torch on Left Belt	Bandana Cap	Scared of Bats
Dirk Pitt	Decoder Ring	Map Reading	Torch on Right Belt	Bandana Cap	Fear of Snakes
Marion Ravenwood	Compass Tool	Trap Disarming	Torch on Left Belt	Bandana Cap	Allergic to Pollen
Flynn Rider	Glider Wings	Vine Swinging	Torch on Right Belt	Bandana Cap	Fear of Snakes
Benjamin Gates	Smoke Bomb	Map Reading	Torch on Right Belt	Bandana Cap	Fear of Snakes
Marcus Brody	Glider Wings	Map Reading	Torch on Left Belt	Bandana Cap	Fear of Snakes
Elizabeth Swann	Glider Wings	Wall Climbing	Torch on Left Belt	Leather Fedora	Allergic to Pollen
Elena Fisher	Compass Tool	Map Reading	Torch on Left Belt	Bandana Cap	Allergic to Pollen
Abigail Chase	Smoke Bomb	Map Reading	Torch on Right Belt	Pith Helmet	Fear of Snakes
Chloe Frazer	Smoke Bomb	Stealth Walking	Torch on Right Belt	Pith Helmet	Allergic to Pollen
Sydney Fox	Glider Wings	Trap Disarming	Torch on Left Belt	Leather Fedora	Fear of Snakes
Sallah	Decoder Ring	Stealth Walking	Torch on Right Belt	Bandana Cap	Fear of Snakes
Riley Poole	Decoder Ring	Trap Disarming	Torch on Right Belt	Pith Helmet	Scared of Bats
Mutt Williams	Smoke Bomb	Map Reading	Torch on Left Belt	Pith Helmet	Allergic to Pollen
Rick OConnell	Smoke Bomb	Trap Disarming	Torch on Right Belt	Pith Helmet	Allergic to Pollen
Sully Sullivan	Compass Tool	Map Reading	Torch on Left Belt	Leather Fedora	Fear of Snakes
Alan Grant	Smoke Bomb	Map Reading	Torch on Right Belt	Leather Fedora	Allergic to Pollen
Will Turner	Grappling Hook	Map Reading	Torch on Right Belt	Leather Fedora	Fear of Snakes
Ellie Sattler	Glider Wings	Map Reading	Torch on Right Belt	Bandana Cap	Allergic to Pollen

CLUE 1 Rounding

The temple radar screen only shows rounded estimates of distance.

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

T			T											T				
50	3000	2900	50	3000	1100	2900	1700	2300	30	2900	500	5000	30	50	3000	130	9000	2900
700	130	20	20	230	20	1100	430	3700	1100	5000	300							

Round 49 to the nearest ten → **T**

Round 674 to the nearest hundred → **W**

Round 24 to the nearest ten → **L**

Round 2,687 to the nearest thousand → **H**

Round 5,130 to the nearest thousand → **N**

Round 2,270 to the nearest hundred → **D**

Round 1,103 to the nearest hundred → **I**

Round 227 to the nearest ten → **C**

Round 2,942 to the nearest hundred → **E**

Round 541 to the nearest hundred → **S**

Round 305 to the nearest hundred → **G**

Round 3,686 to the nearest hundred → **B**

Round 9,452 to the nearest thousand → **V**

Round 134 to the nearest ten → **A**

Round 1,730 to the nearest hundred → **F**

Round 428 to the nearest ten → **M**

Round 29 to the nearest ten → **O**

Scratch space:

CLUE 2
Addition

The team added up all the expedition packs left near the gate.

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

T									T				
8723	6136	6257	5606	3317	5606	2590	6257	8569	8723	6136	4994	5606	4994

									T			T						T	
8396	3277	4994	5606	6136	3277	4162	9809	6136	8723	6929	9217	8723	6136	6257	5248	4162	9809	6136	8723

$5018 + 3705 = \boxed{} \rightarrow \boxed{T}$

$4860 + 4357 = \boxed{} \rightarrow \boxed{N}$

$1106 + 2211 = \boxed{} \rightarrow \boxed{U}$

$3412 + 4984 = \boxed{} \rightarrow \boxed{F}$

$1628 + 2534 = \boxed{} \rightarrow \boxed{I}$

$1348 + 1242 = \boxed{} \rightarrow \boxed{P}$

$1641 + 3607 = \boxed{} \rightarrow \boxed{R}$

$2984 + 5585 = \boxed{} \rightarrow \boxed{C}$

$1731 + 3875 = \boxed{} \rightarrow \boxed{S}$

$2269 + 4660 = \boxed{} \rightarrow \boxed{O}$

$3625 + 2511 = \boxed{} \rightarrow \boxed{H}$

$4475 + 5334 = \boxed{} \rightarrow \boxed{G}$

$1734 + 1543 = \boxed{} \rightarrow \boxed{L}$

$3885 + 2372 = \boxed{} \rightarrow \boxed{E}$

$2673 + 2321 = \boxed{} \rightarrow \boxed{A}$

Scratch space:

CLUE 3

Subtraction

The detective checked how many gold coins were missing from the box.

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

T																		
7886	2705	4205	6839	2791	8500	8500	6294	2791	4563	4456	6294	3704	3704	1857	6294	8062	4205	5205

6294	4456	6294	2012	1089	2012	3704	4563	6294	5635	4205	3704

$11667 - 3781 = \square \rightarrow \boxed{\text{T}}$

$6421 - 786 = \square \rightarrow \boxed{\text{K}}$

$6489 - 2785 = \square \rightarrow \boxed{\text{S}}$

$9081 - 3876 = \square \rightarrow \boxed{\text{D}}$

$5808 - 1603 = \square \rightarrow \boxed{\text{E}}$

$4224 - 1519 = \square \rightarrow \boxed{\text{H}}$

$2662 - 805 = \square \rightarrow \boxed{\text{C}}$

$8593 - 2299 = \square \rightarrow \boxed{\text{A}}$

$5414 - 851 = \square \rightarrow \boxed{\text{N}}$

$12789 - 4727 = \square \rightarrow \boxed{\text{R}}$

$9051 - 2212 = \square \rightarrow \boxed{\text{V}}$

$3196 - 405 = \square \rightarrow \boxed{\text{I}}$

$10543 - 2043 = \square \rightarrow \boxed{\text{L}}$

$1779 - 690 = \square \rightarrow \boxed{\text{B}}$

$3393 - 1381 = \square \rightarrow \boxed{\text{Y}}$

$9194 - 4738 = \square \rightarrow \boxed{\text{W}}$

Scratch space:

CLUE 4
Multiplication facts (1-12)

The scouts found equal groups of stone carved tiles in the dirt.

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

F					F						F				
121	64	11	2	120	121	84	35	144	10	1	121	144	64	49	84
35	84	2	120	84	2	84	1	84	4						

$11 \times 11 = \square \rightarrow \text{F}$

$1 \times 4 = \square \rightarrow \text{P}$

$10 \times 1 = \square \rightarrow \text{I}$

$5 \times 7 = \square \rightarrow \text{B}$

$1 \times 1 = \square \rightarrow \text{C}$

$7 \times 7 = \square \rightarrow \text{M}$

$1 \times 2 = \square \rightarrow \text{N}$

$8 \times 8 = \square \rightarrow \text{O}$

$7 \times 12 = \square \rightarrow \text{A}$

$12 \times 10 = \square \rightarrow \text{D}$

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

$11 \times 1 = \square \rightarrow \text{U}$

Scratch space:

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

The team split the glowing crystals evenly among the canvas sacks.

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:

$2 \div 2 = \boxed{}$

$40 \div 4 = \boxed{}$

$8 \div 2 = \boxed{}$

$18 \div 2 = \boxed{}$

$12 \div 1 = \boxed{}$

$30 \div 10 = \boxed{}$

$40 \div 8 = \boxed{}$

$18 \div 9 = \boxed{}$

$56 \div 8 = \boxed{}$

$77 \div 7 = \boxed{}$

$56 \div 7 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain used a decoder ring on the ancient lock, then used map reading tricks.
2. The villain tossed a smoke bomb to break in, then practiced stealth walking methods.
3. The villain used a decoder ring on the ancient lock, then tried wall climbing moves.
4. The villain tossed a smoke bomb to break in, then used map reading tricks.
5. The villain checked a compass tool to navigate, then practiced stealth walking methods.
6. The villain deployed glider wings to fly inside, then showed off vine swinging skills.
7. The villain deployed glider wings to fly inside, then practiced stealth walking methods.
8. The villain fired a grappling hook onto the ledge, then practiced stealth walking methods.
9. The villain fired a grappling hook onto the ledge, then attempted trap disarming steps.
10. The villain used a decoder ring on the ancient lock, then practiced stealth walking methods.
11. The villain used a decoder ring on the ancient lock, then showed off vine swinging skills.
12. The villain fired a grappling hook onto the ledge, then showed off vine swinging skills.

Answer Key

The Mystery of the Golden Idol

Culprit: Flynn Rider

Glider Wings · Vine Swinging · Torch on Right Belt · Bandana Cap · Fear of Snakes

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

Clue 1 (Rounding): "THE THIEF DOES NOT HAVE WALL CLIMBING"

Round 49 to the nearest ten = 50 (T) · Round 674 to the nearest hundred = 700 (W) · Round 24 to the nearest ten = 20 (L) · Round 2,687 to the nearest thousand = 3000 (H) · Round 5,130 to the nearest thousand = 5000 (N) · Round 2,270 to the nearest hundred = 2300 (D) · Round 1,103 to the nearest hundred = 1100 (I) · Round 227 to the nearest ten = 230 (C) · Round 2,942 to the nearest hundred = 2900 (E) · Round 541 to the nearest hundred = 500 (S) · Round 305 to the nearest hundred = 300 (G) · Round 3,686 to the nearest hundred = 3700 (B) · Round 9,452 to the nearest thousand = 9000 (V) · Round 134 to the nearest ten = 130 (A) · Round 1,730 to the nearest hundred = 1700 (F) · Round 428 to the nearest ten = 430 (M) · Round 29 to the nearest ten = 30 (O)

Clue 2 (Addition): "THE SUSPECT HAS A FLASHLIGHT ON THE RIGHT"

$5018 + 3705 = 8723$ (T) · $4860 + 4357 = 9217$ (N) · $1106 + 2211 = 3317$ (U) · $3412 + 4984 = 8396$ (F) · $1628 + 2534 = 4162$ (I) · $1348 + 1242 = 2590$ (P) · $1641 + 3607 = 5248$ (R) · $2984 + 5585 = 8569$ (C) · $1731 + 3875 = 5606$ (S) · $2269 + 4660 = 6929$ (O) · $3625 + 2511 = 6136$ (H) · $4475 + 5334 = 9809$ (G) · $1734 + 1543 = 3277$ (L) · $3885 + 2372 = 6257$ (E) · $2673 + 2321 = 4994$ (A)

Clue 3 (Subtraction): "THE VILLAIN WAS SCARED AWAY BY SNAKES"

$11667 - 3781 = 7886$ (T) · $6421 - 786 = 5635$ (K) · $6489 - 2785 = 3704$ (S) · $9081 - 3876 = 5205$ (D) · $5808 - 1603 = 4205$ (E) · $4224 - 1519 = 2705$ (H) · $2662 - 805 = 1857$ (C) · $8593 - 2299 = 6294$ (A) · $5414 - 851 = 4563$ (N) · $12789 - 4727 = 8062$ (R) · $9051 - 2212 = 6839$ (V) · $3196 - 405 = 2791$ (I) · $10543 - 2043 = 8500$ (L) · $1779 - 690 = 1089$ (B) · $3393 - 1381 = 2012$ (Y) · $9194 - 4738 = 4456$ (W)

Clue 4 (Multiplication facts (1-12)): "FOUND FABRIC FROM A BANDANA CAP"

$11 \times 11 = 121$ (F) · $1 \times 4 = 4$ (P) · $10 \times 1 = 10$ (I) · $5 \times 7 = 35$ (B) · $1 \times 1 = 1$ (C) · $7 \times 7 = 49$ (M) · $1 \times 2 = 2$ (N) · $8 \times 8 = 64$ (O) · $7 \times 12 = 84$ (A) · $12 \times 10 = 120$ (D) · $12 \times 12 = 144$ (R) · $11 \times 1 = 11$ (U)

Clue 5 (Division facts (1-12)): surviving statement is box 6 → Flynn Rider

$2 \div 2 = 1$ · $40 \div 4 = 10$ · $8 \div 2 = 4$ · $18 \div 2 = 9$ · $12 \div 1 = 12$ · $30 \div 10 = 3$ · $40 \div 8 = 5$ · $18 \div 9 = 2$ · $56 \div 8 = 7$ · $77 \div 7 = 11$ · $56 \div 7 = 8$