



The Great Treehouse Rescue

Grade 5 math · Subtraction, Multiplication, Rounding, Addition, Division · Reading level grades 1-2

Detective: _____ Date: _____

Someone took the Golden Compass from the Chief Explorer! We must find the Treehouse Thief. Look for clues along the jungle trail.

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 Treehouse Thief is _____

Possible suspects

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

NAME	JUNGLE GEAR	SECRET TOOL	WATCH WRIST	HAIR COLOR	JUNGLE FEAR
Roald	Grappling Hook	Snack Pack	Left Watch	Bright Yellow Hair	Fear Of Frogs
Marco	Binocular Strap	Spy Glass	Right Watch	Deep Black Hair	Fear Of Buzzing Bees
Annie	Map Scroll	Walkie Talkie	Left Watch	Deep Black Hair	Fear Of Spiders
Maya	Flashlight Glow	Walkie Talkie	Right Watch	Deep Black Hair	Fear Of Frogs
Mia	Binocular Strap	Snack Pack	Left Watch	Bright Yellow Hair	Fear Of Spiders
Charles	Binocular Strap	Snack Pack	Left Watch	Bright Red Hair	Fear Of Frogs
Jack	Binocular Strap	Walkie Talkie	Left Watch	Deep Black Hair	Fear Of Frogs
Ben	Flashlight Glow	Glider Wings	Left Watch	Bright Yellow Hair	Fear Of Frogs
Buzz	Binocular Strap	Snack Pack	Left Watch	Deep Black Hair	Fear Of Spiders
Abby	Map Scroll	Spy Glass	Right Watch	Bright Red Hair	Fear Of Spiders
Neil	Grappling Hook	Laser Pointer	Left Watch	Deep Black Hair	Fear Of Spiders
Amelia	Grappling Hook	Snack Pack	Left Watch	Deep Black Hair	Fear Of Frogs
Sally	Map Scroll	Glider Wings	Left Watch	Deep Black Hair	Fear Of Spiders
Indiana	Map Scroll	Walkie Talkie	Right Watch	Bright Red Hair	Fear Of Spiders
Sam	Flashlight Glow	Laser Pointer	Right Watch	Deep Black Hair	Fear Of Frogs
Toby	Grappling Hook	Spy Glass	Right Watch	Bright Red Hair	Fear Of Buzzing Bees
Cody	Map Scroll	Walkie Talkie	Left Watch	Bright Yellow Hair	Fear Of Frogs
Bindi	Map Scroll	Spy Glass	Right Watch	Deep Black Hair	Fear Of Spiders
Ernest	Flashlight Glow	Spy Glass	Left Watch	Bright Red Hair	Fear Of Spiders
Zoe	Binocular Strap	Glider Wings	Left Watch	Bright Red Hair	Fear Of Buzzing Bees
Max	Pocket Compass	Laser Pointer	Left Watch	Deep Black Hair	Fear Of Spiders

CLUE 1

Explorer Pip drops some rope coils. Subtract the lost ropes to see what is left. This will open the first chest!

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

Top row: T, 1757, 5380, 8688, 5250, 8885, 8230, 8230, 3078, 8885, 1347, 8481, 3677, 8688, 3352, 1347, 3677, T, 1757

Bottom row: 5380, 3078, 5250, 8688, 5808, 8230, 8885, 8481, 8688, 8873, 1315, 8885, 1347, 5808, 3352

$$2911 - 1154 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$6063 - 4716 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$10757 - 1872 = \boxed{} \rightarrow \boxed{\text{I}}$$

$$9409 - 1179 = \boxed{} \rightarrow \boxed{\text{L}}$$

$13473 - 4785 = \boxed{} \rightarrow \boxed{\text{E}}$

$$6334 - 2982 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$8807 - 3427 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$5559 - 309 = \boxed{} \rightarrow \boxed{\text{V}}$$

$$9283 - 3475 = \boxed{} \rightarrow \boxed{\text{G}}$$

$$3590 - 2275 = \boxed{} \rightarrow \boxed{\text{W}}$$

$$7394 - 3717 = \boxed{} \rightarrow \boxed{0}$$

$5532 - 2454 = \square \rightarrow \boxed{\text{A}}$

13085 - 4212 = → **R**

$10204 - 1723 = \boxed{} \rightarrow \boxed{\text{D}}$

Scratch space:

CLUE 2

Multiplication facts (1-12)

Look at these neat rows of pineapples. Let us multiply the rows to count them. A hidden map is inside!

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

T			T													T		
8	84	22	8	84	55	22	96	4	22	144	27	120	144	4	144	8	80	84

		T						T
3	88	8	84	22	9	22	96	8

$1 \times 8 = \square \rightarrow \boxed{\text{T}}$

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

$2 \times 11 = \square \rightarrow \boxed{\text{E}}$

$9 \times 1 = \square \rightarrow \boxed{\text{L}}$

$1 \times 4 = \square \rightarrow \boxed{\text{W}}$

$9 \times 3 = \square \rightarrow \boxed{\text{R}}$

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

$5 \times 11 = \square \rightarrow \boxed{\text{I}}$

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

$12 \times 8 = \square \rightarrow \boxed{\text{F}}$

$1 \times 3 = \square \rightarrow \boxed{\text{O}}$

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

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

Scratch space:

CLUE 3
Rounding

The old radar screen is blurry. It only shows rounded numbers. Round the distance to find the next path.

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

A																
500	1700	3700	20	90	5000	30	3700	70	900	370	5000	170	A	370	900	70

1700	2900	900	1700	2900	3700	900	50	170	230

Round 489 to the nearest hundred → **A**

Round 167 to the nearest ten → **C**

Round 1,656 to the nearest hundred → **T**

Round 3,688 to the nearest hundred → **I**

Round 234 to the nearest ten → **O**

Round 366 to the nearest ten → **R**

Round 2,907 to the nearest hundred → **H**

Round 7,187 to the nearest thousand → **L**

Round 93 to the nearest ten → **Y**

Round 22 to the nearest ten → **N**

Round 71 to the nearest ten → **D**

Round 5,233 to the nearest thousand → **S**

Round 49 to the nearest ten → **F**

Round 925 to the nearest hundred → **E**

Round 32 to the nearest ten → **P**

Scratch space:

CLUE 4

Addition

We found some shiny gems on the dirt path. Add them all up to see how many we collected.

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

W																	
2068	5818	8404	3408	7043	5093	8506	3809	8846	9783	7608	3581	8790	9783	9633	2082	3408	5093

5002	8790	5818	3809	2082	9783	5093	7608	8790

$1025 + 1043 = \square \rightarrow \boxed{\text{W}}$

$2068 + 2934 = \square \rightarrow \boxed{\text{T}}$

$953 + 1129 = \square \rightarrow \boxed{\text{R}}$

$4944 + 3902 = \square \rightarrow \boxed{\text{L}}$

$2880 + 4728 = \square \rightarrow \boxed{\text{C}}$

$4270 + 4236 = \square \rightarrow \boxed{\text{D}}$

$5848 + 2556 = \square \rightarrow \boxed{\text{F}}$

$2339 + 1069 = \square \rightarrow \boxed{\text{O}}$

$5373 + 3417 = \square \rightarrow \boxed{\text{H}}$

$6283 + 3350 = \square \rightarrow \boxed{\text{I}}$

$3690 + 2128 = \square \rightarrow \boxed{\text{E}}$

$1585 + 2224 = \square \rightarrow \boxed{\text{B}}$

$2221 + 2872 = \square \rightarrow \boxed{\text{N}}$

$3785 + 3258 = \square \rightarrow \boxed{\text{U}}$

$2278 + 1303 = \square \rightarrow \boxed{\text{K}}$

$3215 + 6568 = \square \rightarrow \boxed{\text{A}}$

Scratch space:

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

We need to share our juice boxes equally. Divide the boxes among our friends to 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:

$56 \div 8 = \boxed{}$

$64 \div 8 = \boxed{}$

$33 \div 11 = \boxed{}$

$55 \div 11 = \boxed{}$

$44 \div 11 = \boxed{}$

$2 \div 1 = \boxed{}$

$3 \div 3 = \boxed{}$

$36 \div 4 = \boxed{}$

$36 \div 3 = \boxed{}$

$6 \div 1 = \boxed{}$

$99 \div 9 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain climbs the tall vine, then zips up their backpack.
2. The villain splashes through the stream, then drops a banana peel.
3. The villain crawls under the giant leaf, then loses a shiny coin.
4. The villain crawls under the giant leaf, then hides behind a bush.
5. The villain swings from a branch, then wipes away some mud.
6. The villain climbs the tall vine, then hides behind a bush.
7. The villain swings from a branch, then hides behind a bush.
8. The villain climbs the tall vine, then drops a banana peel.
9. The villain crosses the rope bridge, then loses a shiny coin.
10. The villain crosses the rope bridge, then drops a banana peel.
11. The villain swings from a branch, then zips up their backpack.
12. The villain crawls under the giant leaf, then wipes away some mud.

Answer Key

The Great Treehouse Rescue

Culprit: Max

Pocket Compass · Laser Pointer · Left Watch · Deep Black Hair · Fear Of Spiders

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

Clue 1 (Subtraction): "THE VILLAIN DOES NOT HAVE GLIDER WINGS"

$2911 - 1154 = 1757$ (T) · $6063 - 4716 = 1347$ (N) · $10757 - 1872 = 8885$ (I) · $9409 - 1179 = 8230$ (L) · $13473 - 4785 = 8688$ (E) · $6334 - 2982 = 3352$ (S) · $8807 - 3427 = 5380$ (H) · $5559 - 309 = 5250$ (V) · $9283 - 3475 = 5808$ (G) · $3590 - 2275 = 1315$ (W) · $7394 - 3717 = 3677$ (O) · $5532 - 2454 = 3078$ (A) · $13085 - 4212 = 8873$ (R) · $10204 - 1723 = 8481$ (D)

Clue 2 (Multiplication facts (1-12)): "THE THIEF WEARS A WATCH ON THE LEFT"

$1 \times 8 = 8$ (T) · $12 \times 10 = 120$ (S) · $2 \times 11 = 22$ (E) · $9 \times 1 = 9$ (L) · $1 \times 4 = 4$ (W) · $9 \times 3 = 27$ (R) · $8 \times 11 = 88$ (N) · $5 \times 11 = 55$ (I) · $12 \times 12 = 144$ (A) · $12 \times 8 = 96$ (F) · $1 \times 3 = 3$ (O) · $7 \times 12 = 84$ (H) · $8 \times 10 = 80$ (C)

Clue 3 (Rounding): "A TINY SPIDER SCARED THE THIEF COLD"

Round 489 to the nearest hundred = 500 (A) · Round 167 to the nearest ten = 170 (C) · Round 1,656 to the nearest hundred = 1700 (T) · Round 3,688 to the nearest hundred = 3700 (I) · Round 234 to the nearest ten = 230 (O) · Round 366 to the nearest ten = 370 (R) · Round 2,907 to the nearest hundred = 2900 (H) · Round 7,187 to the nearest thousand = 7000 (L) · Round 93 to the nearest ten = 90 (Y) · Round 22 to the nearest ten = 20 (N) · Round 71 to the nearest ten = 70 (D) · Round 5,233 to the nearest thousand = 5000 (S) · Round 49 to the nearest ten = 50 (F) · Round 925 to the nearest hundred = 900 (E) · Round 32 to the nearest ten = 30 (P)

Clue 4 (Addition): "WE FOUND BLACK HAIR ON THE BRANCH"

$1025 + 1043 = 2068$ (W) · $2068 + 2934 = 5002$ (T) · $953 + 1129 = 2082$ (R) · $4944 + 3902 = 8846$ (L) · $2880 + 4728 = 7608$ (C) · $4270 + 4236 = 8506$ (D) · $5848 + 2556 = 8404$ (F) · $2339 + 1069 = 3408$ (O) · $5373 + 3417 = 8790$ (H) · $6283 + 3350 = 9633$ (I) · $3690 + 2128 = 5818$ (E) · $1585 + 2224 = 3809$ (B) · $2221 + 2872 = 5093$ (N) · $3785 + 3258 = 7043$ (U) · $2278 + 1303 = 3581$ (K) · $3215 + 6568 = 9783$ (A)

Clue 5 (Division facts (1-12)): surviving statement is box 10 → Max

$56 \div 8 = 7$ · $64 \div 8 = 8$ · $33 \div 11 = 3$ · $55 \div 11 = 5$ · $44 \div 11 = 4$ · $2 \div 1 = 2$ · $3 \div 3 = 1$ · $36 \div 4 = 9$ · $36 \div 3 = 12$ · $6 \div 1 = 6$ · $99 \div 9 = 11$