



The Whispering Jungle Mystery

Grade 5 math · Addition, Fractions of a number, Order of operations, Multiplication, Division · Reading level grades 3-4

Detective: _____ Date: _____

The ancient Golden Pineapple has vanished from the Jungle Basecamp! The Head Ranger needs our help to find which Explorer took it before the camp gates close at sunset.

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 Shadow Explorer is _____

Possible suspects

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

NAME	FAVORITE GEAR	SPECIAL SKILL	GLOVE HAND	HAT STYLE	FEARS
Neil	Brass Compass	Tracing tracks	Right hand glove	Safari cap	Squeaky bats
Laura	Pocket Magnifier	Reading maps	Left hand glove	Safari cap	Squeaky bats
Clark	Brass Compass	Cracking codes	Left hand glove	Pith helmet	Spiky cacti
Jacques	Adventure Whip	Cracking codes	Right hand glove	Bandana	Squeaky bats
Sally	Pocket Magnifier	Climbing trees	Left hand glove	Safari cap	Tickly ants
Nellie	Adventure Whip	Reading maps	Left hand glove	Safari cap	Squeaky bats
Amelia	Spy Binoculars	Cracking codes	Right hand glove	Pith helmet	Spiky cacti
Lewis	Super Flashlight	Slinging ropes	Right hand glove	Safari cap	Spiky cacti
Matthew	Super Flashlight	Tracing tracks	Right hand glove	Safari cap	Squeaky bats
Bessie	Super Flashlight	Reading maps	Left hand glove	Pith helmet	Tickly ants
Indiana	Adventure Whip	Cracking codes	Left hand glove	Pith helmet	Squeaky bats
Daniel	Pocket Magnifier	Slinging ropes	Right hand glove	Safari cap	Spiky cacti
Clara	Adventure Whip	Cracking codes	Left hand glove	Safari cap	Squeaky bats
Zora	Pocket Magnifier	Cracking codes	Left hand glove	Pith helmet	Spiky cacti
Robin	Pocket Magnifier	Reading maps	Left hand glove	Pith helmet	Spiky cacti
Marco	Spy Binoculars	Climbing trees	Left hand glove	Safari cap	Tickly ants
Hudson	Super Flashlight	Reading maps	Left hand glove	Safari cap	Squeaky bats
Sacagawea	Super Flashlight	Slinging ropes	Left hand glove	Safari cap	Squeaky bats
Wyatt	Spy Binoculars	Slinging ropes	Left hand glove	Bandana	Tickly ants
Mae	Brass Compass	Slinging ropes	Right hand glove	Pith helmet	Tickly ants
Annie	Super Flashlight	Cracking codes	Left hand glove	Pith helmet	Squeaky bats

CLUE 1

We found the suspect's camp. Let's count all the leftover tent pegs and supply boxes to figure out where they went next.

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

Diagram showing the arrangement of 18 numbered boxes in two rows. The top row has 15 boxes, and the bottom row has 10 boxes. The boxes are numbered 2746, 9722, 4591, 2746, 9722, 6649, 4591, 9693, 3713, 6501, 4591, 8998, 2791, 6501, 2746, 8770, 8998, 4591, 8998, 5191, 6649, 2791, 5138, 6649, 2791, 5138, 5140, 6501, 2659, 4591, 8998. The boxes with numbers 2746, 9722, 6649, 4591, 9693, 3713, 6501, 4591, 8998, 2791, 6501, 2746, 8770, 8998, 4591, 8998, 5191, 6649, 2791, 5138, 6649, 2791, 5138, 5140, 6501, 2659, 4591, 8998 are white. The boxes with numbers 2746, 9722, 6649, 4591, 9693, 3713, 6501, 4591, 8998, 2791, 6501, 2746, 8770, 8998, 4591, 8998, 5191, 6649, 2791, 5138, 6649, 2791, 5138, 5140, 6501, 2659, 4591, 8998 are orange.

$$1899 + 847 = \boxed{} \rightarrow \boxed{\text{T}}$$

$1660 + 3531 = \boxed{} \rightarrow \boxed{\text{L}}$

$$6156 + 3566 = \boxed{} \rightarrow \boxed{\text{H}}$$

$3265 + 3384 = \boxed{} \rightarrow \boxed{\text{I}}$

$1446 + 1213 = \boxed{} \rightarrow \boxed{\text{P}}$

$$2158 + 2433 = \boxed{} \rightarrow \boxed{\text{E}}$$

$$3560 + 1578 = \boxed{} \rightarrow \boxed{\text{G}}$$

$2084 + 1629 = \boxed{} \rightarrow \boxed{\text{D}}$

$$3004 + 2136 = \boxed{} \rightarrow \boxed{\text{R}}$$

$1413 + 1378 = \boxed{} \rightarrow \boxed{\text{N}}$

$4095 + 5598 = \boxed{} \rightarrow \boxed{\text{F}}$

$$2733 + 6265 = \boxed{} \rightarrow \boxed{\text{S}}$$

$4167 + 4603 = \square \rightarrow \boxed{\text{U}}$

$$3846 + 2655 = \boxed{} \rightarrow \boxed{0}$$

Scratch space:

CLUE 2

Fractions of a number

The guide has a pack of trail biscuits. We need to find exactly what fraction of the snacks were eaten to trace the path.

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

T			T																T
15	20	9	15	20	13	9	25	2	9	4	23	17	4	10	9	25	15		
20	4	30	5	36	10	19	34	9											

$$2/8 \text{ of } 60 = \boxed{} \rightarrow \boxed{\text{T}}$$

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

$$1/8 \text{ of } 152 = \boxed{} \rightarrow \boxed{\text{O}}$$

$$3/5 \text{ of } 60 = \boxed{} \rightarrow \boxed{\text{G}}$$

$$5/10 \text{ of } 46 = \boxed{} \rightarrow \boxed{\text{R}}$$

$$1/3 \text{ of } 90 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$1/8 \text{ of } 200 = \boxed{} \rightarrow \boxed{\text{F}}$$

$$1/8 \text{ of } 104 = \boxed{} \rightarrow \boxed{\text{I}}$$

$$2/10 \text{ of } 85 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$1/4 \text{ of } 20 = \boxed{} \rightarrow \boxed{\text{D}}$$

$$5/8 \text{ of } 16 = \boxed{} \rightarrow \boxed{\text{L}}$$

$$2/5 \text{ of } 5 = \boxed{} \rightarrow \boxed{\text{W}}$$

$$4/5 \text{ of } 25 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$1/2 \text{ of } 18 = \boxed{} \rightarrow \boxed{\text{E}}$$

$$3/6 \text{ of } 68 = \boxed{} \rightarrow \boxed{\text{V}}$$

Scratch space:

CLUE 3 Order of operations

A locked chest blocks the trail. Solve this multi-step code in the correct order to open the latch and get the next clue.

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

T																			
80	43	13	72	21	25	32	37	13	70	56	42	17	72	22	44	13	25	7	51
		T							T					T					
38	25	80	72	10	70	56	17	43	80	13	42	13	68	80	43	13	32		

$26 + 9 \times 6 = \square \rightarrow$ T	$8 \times 6 - 11 = \square \rightarrow$ P	$10 \times 6 - 4 = \square \rightarrow$ I
$4 \times 10 - 15 = \square \rightarrow$ A	$7 \times 6 - 10 = \square \rightarrow$ M	$12 + 8 \times 4 = \square \rightarrow$ U
$3 \times 11 - 16 = \square \rightarrow$ G	$1 + 3 \times 3 = \square \rightarrow$ F	$29 + 7 \times 2 = \square \rightarrow$ H
$33 + 6 \times 3 = \square \rightarrow$ Y	$9 \times 6 - 16 = \square \rightarrow$ B	$3 + 2 \times 2 = \square \rightarrow$ K
$40 + 5 \times 6 = \square \rightarrow$ R	$21 + 3 \times 7 = \square \rightarrow$ N	$9 \times 11 - 27 = \square \rightarrow$ S
$8 \times 12 - 28 = \square \rightarrow$ D	$8 \times 5 - 18 = \square \rightarrow$ Q	$3 \times 10 - 9 = \square \rightarrow$ C
$1 + 6 \times 2 = \square \rightarrow$ E		

Scratch space:

CLUE 4

Multiplication facts (1-12)

We reached the stone ruins. Multiply the rows of carved monkeys by the columns to unlock the hidden compartment.

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

A							A		A				A			A	
121	90	44	45	84	60	20	121	11	121	44	54	70	121	12	84	121	20
											A						
35	99	11	72	45	60	72	6	99	72	44	121	54	35				

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

$12 \times 6 = \square \rightarrow \boxed{\text{T}}$

$10 \times 2 = \square \rightarrow \boxed{\text{S}}$

$11 \times 4 = \square \rightarrow \boxed{\text{R}}$

$9 \times 5 = \square \rightarrow \boxed{\text{O}}$

$7 \times 5 = \square \rightarrow \boxed{\text{L}}$

$7 \times 10 = \square \rightarrow \boxed{\text{C}}$

$11 \times 1 = \square \rightarrow \boxed{\text{F}}$

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

$10 \times 9 = \square \rightarrow \boxed{\text{B}}$

$3 \times 2 = \square \rightarrow \boxed{\text{H}}$

$9 \times 11 = \square \rightarrow \boxed{\text{E}}$

$3 \times 4 = \square \rightarrow \boxed{\text{P}}$

$12 \times 5 = \square \rightarrow \boxed{\text{N}}$

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

Scratch space:

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

The junior scouts need to split the rescue ropes equally among their teams. Divide them up to find the final secret.

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:

$48 \div 4 = \boxed{}$

$40 \div 5 = \boxed{}$

$15 \div 3 = \boxed{}$

$8 \div 4 = \boxed{}$

$54 \div 6 = \boxed{}$

$4 \div 4 = \boxed{}$

$90 \div 9 = \boxed{}$

$6 \div 1 = \boxed{}$

$14 \div 2 = \boxed{}$

$15 \div 5 = \boxed{}$

$110 \div 10 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain swung a super flashlight around, then quietly traced some fresh tracks in mud.
2. The villain peered through spy binoculars, then correctly read the old treasure map.
3. The villain cracked an adventure whip, then expertly swung across using slinging ropes.
4. The villain swung a super flashlight around, then correctly read the old treasure map.
5. The villain looked through a pocket magnifier, then correctly read the old treasure map.
6. The villain cracked an adventure whip, then quickly climbed up a tall jungle tree.
7. The villain checked a brass compass, then correctly read the old treasure map.
8. The villain cracked an adventure whip, then correctly read the old treasure map.
9. The villain checked a brass compass, then quietly traced some fresh tracks in mud.
10. The villain checked a brass compass, then quickly climbed up a tall jungle tree.
11. The villain swung a super flashlight around, then expertly swung across using slinging ropes.
12. The villain cracked an adventure whip, then carefully cracked the secret trunk code.

Answer Key

The Whispering Jungle Mystery

Culprit: Hudson

Super Flashlight · Reading maps · Left hand glove · Safari cap · Squeaky bats

Trail: Start 21 → Clue 1 16 → Clue 2 12 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE THIEF DOES NOT USE SLINGING ROPES"

$1899 + 847 = 2746$ (T) · $1660 + 3531 = 5191$ (L) · $6156 + 3566 = 9722$ (H) · $3265 + 3384 = 6649$ (I) · $1446 + 1213 = 2659$ (P) · $2158 + 2433 = 4591$ (E) · $3560 + 1578 = 5138$ (G) · $2084 + 1629 = 3713$ (D) · $3004 + 2136 = 5140$ (R) · $1413 + 1378 = 2791$ (N) · $4095 + 5598 = 9693$ (F) · $2733 + 6265 = 8998$ (S) · $4167 + 4603 = 8770$ (U) · $3846 + 2655 = 6501$ (O)

Clue 2 (Fractions of a number): "THE THIEF WEARS A LEFT HAND GLOVE"

$2/8$ of 60 = 15 (T) · $2/4$ of 8 = 4 (A) · $1/8$ of 152 = 19 (O) · $3/5$ of 60 = 36 (G) · $5/10$ of 46 = 23 (R) · $1/3$ of 90 = 30 (N) · $1/8$ of 200 = 25 (F) · $1/8$ of 104 = 13 (I) · $2/10$ of 85 = 17 (S) · $1/4$ of 20 = 5 (D) · $5/8$ of 16 = 10 (L) · $2/5$ of 5 = 2 (W) · $4/5$ of 25 = 20 (H) · $1/2$ of 18 = 9 (E) · $3/6$ of 68 = 34 (V)

Clue 3 (Order of operations): "THE SCAMPERING SQUEAKY BATS FRIGHTENED THEM"

$26 + 9 \times 6 = 80$ (T) · $8 \times 6 - 11 = 37$ (P) · $10 \times 6 - 4 = 56$ (I) · $4 \times 10 - 15 = 25$ (A) · $7 \times 6 - 10 = 32$ (M) · $12 + 8 \times 4 = 44$ (U) · $3 \times 11 - 16 = 17$ (G) · $1 + 3 \times 3 = 10$ (F) · $29 + 7 \times 2 = 43$ (H) · $33 + 6 \times 3 = 51$ (Y) · $9 \times 6 - 16 = 38$ (B) · $3 + 2 \times 2 = 7$ (K) · $40 + 5 \times 6 = 70$ (R) · $21 + 3 \times 7 = 42$ (N) · $9 \times 11 - 27 = 72$ (S) · $8 \times 12 - 28 = 68$ (D) · $8 \times 5 - 18 = 22$ (Q) · $3 \times 10 - 9 = 21$ (C) · $1 + 6 \times 2 = 13$ (E)

Clue 4 (Multiplication facts (1-12)): "A BROWN SAFARI CAP WAS LEFT ON THE TRAIL"

$11 \times 11 = 121$ (A) · $12 \times 6 = 72$ (T) · $10 \times 2 = 20$ (S) · $11 \times 4 = 44$ (R) · $9 \times 5 = 45$ (O) · $7 \times 5 = 35$ (L) · $7 \times 10 = 70$ (C) · $11 \times 1 = 11$ (F) · $9 \times 6 = 54$ (I) · $10 \times 9 = 90$ (B) · $3 \times 2 = 6$ (H) · $9 \times 11 = 99$ (E) · $3 \times 4 = 12$ (P) · $12 \times 5 = 60$ (N) · $12 \times 7 = 84$ (W)

Clue 5 (Division facts (1-12)): surviving statement is box 4 → Hudson

$48 \div 4 = 12$ · $40 \div 5 = 8$ · $15 \div 3 = 5$ · $8 \div 4 = 2$ · $54 \div 6 = 9$ · $4 \div 4 = 1$ · $90 \div 9 = 10$ · $6 \div 1 = 6$ · $14 \div 2 = 7$ · $15 \div 5 = 3$ · $110 \div 10 = 11$