



The Secret of Whisper Island

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

Detective: _____ **Date:** _____

Oh no! A sneaky Sky Bandit has stolen the legendary Compass of Wind from the Chief Mapmaker! We must track down the culprit before they fly away from our floating island!

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 Sky Bandit 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	ANIMAL PARTNER	GLOVE STYLE	HAIR STYLE	FAVORITE SNACK
Ned	Spyglass Boot	Sly Raccoon	Right Glove Only	Braided Hair	Salty Pretzels
Leo	Glider Cape	Tree Frog	Left Glove Only	Curly Hair	Sweet Bananas
Gus	Puffer Balloon	Pet Parrot	Left Glove Only	Spiky Hair	Salty Pretzels
Ava	Spyglass Boot	Baby Falcon	Right Glove Only	Spiky Hair	Sweet Bananas
Fox	Grappling Hook	Sly Raccoon	Left Glove Only	Curly Hair	Sour Berries
Rex	Spyglass Boot	Tiny Monkey	Right Glove Only	Spiky Hair	Sour Berries
Mia	Pocket Compass	Pet Parrot	Right Glove Only	Spiky Hair	Sour Berries
Max	Pocket Compass	Tree Frog	Right Glove Only	Braided Hair	Sweet Bananas
Joy	Puffer Balloon	Pet Parrot	Right Glove Only	Braided Hair	Sweet Bananas
Sam	Grappling Hook	Baby Falcon	Left Glove Only	Curly Hair	Sour Berries
Jax	Spyglass Boot	Tree Frog	Left Glove Only	Curly Hair	Salty Pretzels
Roy	Spyglass Boot	Tiny Monkey	Left Glove Only	Spiky Hair	Sour Berries
Amy	Glider Cape	Tiny Monkey	Left Glove Only	Braided Hair	Salty Pretzels
Eli	Spyglass Boot	Pet Parrot	Left Glove Only	Spiky Hair	Salty Pretzels
Eve	Puffer Balloon	Sly Raccoon	Right Glove Only	Spiky Hair	Sour Berries
Kai	Spyglass Boot	Pet Parrot	Right Glove Only	Spiky Hair	Sour Berries
Kit	Glider Cape	Baby Falcon	Left Glove Only	Curly Hair	Sweet Bananas
Dan	Puffer Balloon	Baby Falcon	Left Glove Only	Curly Hair	Sweet Bananas
Jon	Puffer Balloon	Baby Falcon	Right Glove Only	Spiky Hair	Sour Berries
Hal	Spyglass Boot	Baby Falcon	Right Glove Only	Braided Hair	Sour Berries
Ivy	Spyglass Boot	Sly Raccoon	Left Glove Only	Spiky Hair	Salty Pretzels

CLUE 1 Place value

The map room door has a heavy digital lock. To slide the bolt open, we must find the value of the digit in the tens place on this dusty keypad.

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

T									T						T	
400	3000	30	900	90	5000	10	600	8000	400	4000	9000	30	6000	20	9000	400

T								T									
400	600	2000	200	30	5000	100	8000	400	3000	2000	600	2000	900	900	9000	9000	20

What is the value of the 4 in 429? →

What is the value of the 2 in 32,057? →

What is the value of the 5 in 5,870? →

What is the value of the 1 in 153? →

What is the value of the 9 in 2,897? →

What is the value of the 9 in 29,730? →

What is the value of the 3 in 8,435? →

What is the value of the 2 in 624? →

What is the value of the 6 in 7,644? →

What is the value of the 9 in 910? →

What is the value of the 1 in 4,914? →

What is the value of the 3 in 23,844? →

What is the value of the 6 in 46,774? →

What is the value of the 2 in 261? →

What is the value of the 8 in 8,749? →

What is the value of the 4 in 4,639? →

Scratch space:

CLUE 2

The wind speed meter on the bridge is vibrating wildly. We need to round the spinning numbers to the nearest ten to see if it is safe to cross.

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

Diagram showing two rows of boxes with numbers. The top row has 1300, 70, 200, 230, 300, 50, 50, 2000, 300, 370, 5000, 500, 200, 500, 1300, 70, 200. The bottom row has 1700, 300, 1100, 70, 1300, 1100, 50, 290, 230, 200, 290, 370, 50, 90. The boxes containing 1300 and 1300 are highlighted in orange.

Round 1,298 to the nearest hundred $\rightarrow$ **T**

Round 66 to the nearest ten $\rightarrow$ **H**

Round 277 to the nearest hundred $\rightarrow$

Round 1,056 to the nearest hundred → **G**

Round 1,694 to the nearest thousand $\rightarrow$ **A**

Round 1,713 to the nearest hundred → **R**

Round 157 to the nearest hundred $\rightarrow$ **E**

Round 504 to the nearest hundred $\rightarrow$ **S**

Round 234 to the nearest ten →

Round 5,490 to the nearest thousand $\rightarrow$ **U**

Round 93 to the nearest ten $\rightarrow$ **Y**

Round 370 to the nearest ten → **N**

Round 291 to the nearest ten $\rightarrow$

Round 49 to the nearest ten $\rightarrow$ **L**

Scratch space:

CLUE 3

We found the old explorer logbooks in the grass. By adding the count of gold coins from the first page to the second page, we can unlock a hidden path.

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

Diagram showing the arrangement of 20 numbered boxes in two rows. The top row has 15 boxes, and the bottom row has 5 boxes. The boxes are numbered 2758, 7094, 6713, 6339, 6126, 6880, 6339, 6339, 4481, 6880, 2758, 7693, 6880, 6339, 6880, 8215, 7094, 6713, 9325, 8483. The boxes with numbers 2758 and 6339 are highlighted in orange.

$$891 + 1867 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$3031 + 3308 = \boxed{} \rightarrow \boxed{\text{R}}$$

$$1169 + 2063 = \boxed{} \rightarrow \boxed{\text{T}}$$

$1295 + 769 = \boxed{} \rightarrow \boxed{\text{M}}$

$$1600 + 3633 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$2368 + 1103 = \boxed{} \rightarrow \boxed{\text{P}}$$

$$1629 + 3094 = \boxed{} \rightarrow \boxed{\text{C}}$$

$$5291 + 2597 = \boxed{} \rightarrow \boxed{\text{A}}$$

$$3601 + 4614 = \boxed{} \rightarrow \boxed{\text{F}}$$

$$4839 + 2854 = \boxed{} \rightarrow \boxed{\text{W}}$$

$3901 + 5424 = \square \rightarrow \boxed{\text{N}}$

$$4196 + 1930 = \boxed{} \rightarrow \boxed{\text{B}}$$

$$2899 + 5584 = \boxed{} \rightarrow \boxed{\text{D}}$$

$$2656 + 1825 = \boxed{} \rightarrow \boxed{\text{I}}$$

$$4058 + 2822 = \boxed{} \rightarrow \boxed{\text{E}}$$

$$3844 + 2869 = \boxed{} \rightarrow \boxed{\text{U}}$$

$$4310 + 2784 = \boxed{} \rightarrow \boxed{0}$$

Scratch space:

CLUE 4 Subtraction

A crate of climbing supplies was torn open by the high winds. If we subtract the damaged ropes from our total gear, we will know what is left to use.

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

S									S						S				
4902	8298	3298	5226	4164	5936	1974	3298	7243	4902	8118	7243	1974	8287	1227	4902	3702	3327	7243	3327
6676	8287	8118	5936	3327	7243	6676	8298	3327											

5784 - 882 = → S	13006 - 4708 = → P	6423 - 1197 = → K
8253 - 135 = → T	6565 - 629 = → H	11521 - 3234 = → N
5169 - 1467 = → W	6178 - 2851 = → E	6660 - 3362 = → I
8154 - 1478 = → O	5837 - 3863 = → A	8078 - 835 = → R
4086 - 2859 = → D	7903 - 3739 = → Y	

Scratch space:

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

We finally reached the giant stone steps leading up to the cloud peaks. If we split our team into equal groups, we can search the ruins much faster.

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:

$9 \div 3 = \boxed{}$

$6 \div 1 = \boxed{}$

$6 \div 3 = \boxed{}$

$64 \div 8 = \boxed{}$

$6 \div 6 = \boxed{}$

$36 \div 3 = \boxed{}$

$56 \div 8 = \boxed{}$

$60 \div 6 = \boxed{}$

$108 \div 12 = \boxed{}$

$60 \div 12 = \boxed{}$

$24 \div 6 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain glides down from the sky, then lets the monkey grab the map.
2. The villain checks the pocket compass, then sends the parrot to distract.
3. The villain inflates the puffer balloon, then signals the falcon to swoop.
4. The villain peeks through the spyglass boot, then commands the raccoon to dig.
5. The villain glides down from the sky, then signals the falcon to swoop.
6. The villain peeks through the spyglass boot, then lets the monkey grab the map.
7. The villain peeks through the spyglass boot, then watches the frog jump ahead.
8. The villain inflates the puffer balloon, then sends the parrot to distract.
9. The villain peeks through the spyglass boot, then signals the falcon to swoop.
10. The villain inflates the puffer balloon, then watches the frog jump ahead.
11. The villain peeks through the spyglass boot, then sends the parrot to distract.
12. The villain uses the grappling hook to swing, then sends the parrot to distract.

Answer Key

The Secret of Whisper Island

Culprit: Kai

Spyglass Boot · Pet Parrot · Right Glove Only · Spiky Hair · Sour Berries

Trail: Start 21 → Clue 1 17 → Clue 2 8 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE CULPRIT DOES NOT TRAVEL WITH A RACCOON"

What is the value of the 4 in 429? = 400 (T) · What is the value of the 2 in 32,057? = 2000 (A) · What is the value of the 5 in 5,870? = 5000 (L) · What is the value of the 1 in 153? = 100 (W) · What is the value of the 9 in 2,897? = 90 (U) · What is the value of the 9 in 29,730? = 9000 (O) · What is the value of the 3 in 8,435? = 30 (E) · What is the value of the 2 in 624? = 20 (N) · What is the value of the 6 in 7,644? = 600 (R) · What is the value of the 9 in 910? = 900 (C) · What is the value of the 1 in 4,914? = 10 (P) · What is the value of the 3 in 23,844? = 3000 (H) · What is the value of the 6 in 46,774? = 6000 (S) · What is the value of the 2 in 261? = 200 (V) · What is the value of the 8 in 8,749? = 8000 (I) · What is the value of the 4 in 4,639? = 4000 (D)

Clue 2 (Rounding): "THE VILLAIN USES THE RIGHT GLOVE ONLY"

Round 1,298 to the nearest hundred = 1300 (T) · Round 66 to the nearest ten = 70 (H) · Round 277 to the nearest hundred = 300 (I) · Round 1,056 to the nearest hundred = 1100 (G) · Round 1,694 to the nearest thousand = 2000 (A) · Round 1,713 to the nearest hundred = 1700 (R) · Round 157 to the nearest hundred = 200 (E) · Round 504 to the nearest hundred = 500 (S) · Round 234 to the nearest ten = 230 (V) · Round 5,490 to the nearest thousand = 5000 (U) · Round 93 to the nearest ten = 90 (Y) · Round 370 to the nearest ten = 370 (N) · Round 291 to the nearest ten = 290 (O) · Round 49 to the nearest ten = 50 (L)

Clue 3 (Addition): "SOUR BERRIES WERE FOUND AT THE CAMPSITE"

$891 + 1867 = 2758$ (S) · $3031 + 3308 = 6339$ (R) · $1169 + 2063 = 3232$ (T) · $1295 + 769 = 2064$ (M) · $1600 + 3633 = 5233$ (H) · $2368 + 1103 = 3471$ (P) · $1629 + 3094 = 4723$ (C) · $5291 + 2597 = 7888$ (A) · $3601 + 4614 = 8215$ (F) · $4839 + 2854 = 7693$ (W) · $3901 + 5424 = 9325$ (N) · $4196 + 1930 = 6126$ (B) · $2899 + 5584 = 8483$ (D) · $2656 + 1825 = 4481$ (I) · $4058 + 2822 = 6880$ (E) · $3844 + 2869 = 6713$ (U) · $4310 + 2784 = 7094$ (O)

Clue 4 (Subtraction): "SPIKY HAIR STRANDS WERE ON THE ROPE"

$5784 - 882 = 4902$ (S) · $13006 - 4708 = 8298$ (P) · $6423 - 1197 = 5226$ (K) · $8253 - 135 = 8118$ (T) · $6565 - 629 = 5936$ (H) · $11521 - 3234 = 8287$ (N) · $5169 - 1467 = 3702$ (W) · $6178 - 2851 = 3327$ (E) · $6660 - 3362 = 3298$ (I) · $8154 - 1478 = 6676$ (O) · $5837 - 3863 = 1974$ (A) · $8078 - 835 = 7243$ (R) · $4086 - 2859 = 1227$ (D) · $7903 - 3739 = 4164$ (Y)

Clue 5 (Division facts (1-12)): surviving statement is box 11 → Kai

$9 \div 3 = 3$ · $6 \div 1 = 6$ · $6 \div 3 = 2$ · $64 \div 8 = 8$ · $6 \div 6 = 1$ · $36 \div 3 = 12$ · $56 \div 8 = 7$ · $60 \div 6 = 10$ · $108 \div 12 = 9$ · $60 \div 12 = 5$ · $24 \div 6 = 4$