



The Lost Island Map Mystery

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

Detective: _____ Date: _____

Oh no! Someone took the Head Mapmaker's golden compass. Without it, the ships cannot find their way home. A clever thief left footprints in the sand. Let us follow the clues and find the culprit!

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 Sneaky Swashbuckler is _____

Possible suspects

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

NAME	ADVENTURE GEAR	SECRET GADGET	MAP HAND	BANDANA COLOR	SILLY FEAR
Bella Hook	golden spyglass	bubble blaster	right handed	red bandana	scared of spiders
Gulliver Gray	golden spyglass	bubble blaster	left handed	green bandana	scared of spiders
Nelly Net	pocket compass	smoke bomb	right handed	red bandana	dislikes tickles
Tommy Flint	decoder ring	laser watch	right handed	red bandana	dislikes tickles
Molly Map	golden spyglass	glow boots	right handed	blue bandana	dislikes tickles
Toby Tide	decoder ring	bubble blaster	right handed	green bandana	afraid of frogs
Barnaby Blue	pocket compass	bubble blaster	right handed	red bandana	afraid of frogs
Mary Read	golden spyglass	laser watch	right handed	red bandana	scared of spiders
Finbar Fish	decoder ring	smoke bomb	right handed	green bandana	scared of spiders
Benny Boot	golden spyglass	smoke bomb	right handed	red bandana	scared of spiders
Willa Wave	decoder ring	slingshot	right handed	blue bandana	scared of spiders
Pip Squeak	decoder ring	smoke bomb	left handed	red bandana	scared of spiders
Captain Sam	pocket compass	slingshot	right handed	red bandana	scared of spiders
Sandy Shore	golden spyglass	glow boots	right handed	green bandana	afraid of frogs
Roger Red	golden spyglass	laser watch	left handed	blue bandana	afraid of frogs
Jack Bones	decoder ring	glow boots	right handed	blue bandana	scared of spiders
Dolly Dock	golden spyglass	laser watch	right handed	red bandana	afraid of frogs
Arty Anchor	bamboo snorkel	bubble blaster	right handed	green bandana	dislikes tickles
Peggy Plank	bamboo snorkel	glow boots	right handed	red bandana	afraid of frogs
Scurvy Sally	golden spyglass	laser watch	left handed	red bandana	dislikes tickles
Peter Patch	decoder ring	glow boots	right handed	red bandana	scared of spiders

CLUE 1

To find the next path, we look through a foggy spyglass. The map distances are blurry, so we must round the numbers to the nearest ten to read them.

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

3000 200 80 90 2000 500 500 600 2000 7000 20 6000 80 60 7000 6000 3000

200 600 90 80 700 500 6000 300 30 6000 6000 3000 60

Round 3,206 to the nearest thousand $\rightarrow$ **T**

Round 748 to the nearest hundred → **G**

Round 22 to the nearest ten $\rightarrow$ **D**

Round 89 to the nearest ten $\rightarrow$ **V**

Round 64 to the nearest ten $\rightarrow$ **S**

Round 459 to the nearest hundred → **L**

Round 313 to the nearest hundred → **W**

Round 621 to the nearest hundred → **A**

Round 5,564 to the nearest thousand $\rightarrow$

Round 200 to the nearest hundred → **H**

Round 26 to the nearest ten → **B**

Round 82 to the nearest ten $\rightarrow$ **E**

Round 7,393 to the nearest thousand → **N**

Round 2,492 to the nearest thousand $\rightarrow$

Scratch space:

CLUE 2 Addition

We found a pile of dropped supplies on the beach. If we add up all the lost water canteens and biscuit boxes, we will find a secret message.

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

T										T				T						T	
445	299	623	706	796	706	832	623	735	445	853	951	535	445	623	706	853	535	445	299		

T									T				
445	299	623	535	951	951	535	692	299	445	299	676	656	260

$305 + 140 = \square \rightarrow \boxed{\text{T}}$	$329 + 294 = \square \rightarrow \boxed{\text{E}}$	$295 + 558 = \square \rightarrow \boxed{\text{W}}$
$249 + 547 = \square \rightarrow \boxed{\text{U}}$	$285 + 371 = \square \rightarrow \boxed{\text{N}}$	$413 + 263 = \square \rightarrow \boxed{\text{A}}$
$485 + 221 = \square \rightarrow \boxed{\text{S}}$	$306 + 229 = \square \rightarrow \boxed{\text{I}}$	$518 + 433 = \square \rightarrow \boxed{\text{R}}$
$421 + 271 = \square \rightarrow \boxed{\text{G}}$	$307 + 525 = \square \rightarrow \boxed{\text{P}}$	$386 + 349 = \square \rightarrow \boxed{\text{C}}$
$147 + 152 = \square \rightarrow \boxed{\text{H}}$	$106 + 154 = \square \rightarrow \boxed{\text{D}}$	

Scratch space:

CLUE 3 Subtraction

The crew checks the main supply chest to see what is missing. Subtracting the taken bananas from our starting total reveals a hidden clue.

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

A																	
486	328	544	199	331	687	899	544	821	766	864	885	544	251	251			

		A						A		A		
687	124	486	864	766	328	489	766	552	486	885	486	331

752 - 266 = → A	824 - 280 = → I	864 - 375 = → H
844 - 23 = → D	345 - 17 = → T	1069 - 170 = → P
489 - 158 = → Y	946 - 82 = → R	783 - 96 = → S
1068 - 302 = → E	928 - 376 = → M	387 - 136 = → L
1054 - 169 = → W	351 - 152 = → N	435 - 311 = → C

Scratch space:

CLUE 4

Multiplication facts (1-12)

We reach a wall of locked treasure boxes lined up in even rows. Multiplying the rows of chests helps us unlock the code to the next clue.

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

A					A			A		A				A			A	
28	22	6	10	33	28	11	10	28	11	28	4	14	22	28	60	32	28	4
16	6	88	14	33	6	66	132	11	10									

$4 \times 7 = \square \rightarrow \boxed{\text{A}}$

$2 \times 7 = \square \rightarrow \boxed{\text{T}}$

$1 \times 10 = \square \rightarrow \boxed{\text{D}}$

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

$11 \times 3 = \square \rightarrow \boxed{\text{B}}$

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

$6 \times 11 = \square \rightarrow \boxed{\text{H}}$

$6 \times 10 = \square \rightarrow \boxed{\text{P}}$

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

$4 \times 4 = \square \rightarrow \boxed{\text{L}}$

$8 \times 4 = \square \rightarrow \boxed{\text{W}}$

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

$11 \times 12 = \square \rightarrow \boxed{\text{I}}$

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

Scratch space:

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

We must share the found sea crystals equally among our scout team. Dividing the crystals tells us exactly which trail the suspect took.

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:

$36 \div 3 = \boxed{}$

$11 \div 1 = \boxed{}$

$36 \div 9 = \boxed{}$

$14 \div 2 = \boxed{}$

$45 \div 9 = \boxed{}$

$30 \div 3 = \boxed{}$

$63 \div 7 = \boxed{}$

$10 \div 10 = \boxed{}$

$72 \div 12 = \boxed{}$

$12 \div 4 = \boxed{}$

$18 \div 9 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain scaled the rocky cliff using a grappling hook, then fired a walnut with a slingshot as a distraction.
2. The villain scaled the rocky cliff using a grappling hook, then shot a giant bubble blaster to block the path.
3. The villain cracked the treasure vault with a decoder ring, then shined a bright laser watch to escape.
4. The villain swung across the deck with a golden spyglass, then shot a giant bubble blaster to block the path.
5. The villain escaped through the lagoon with a bamboo snorkel, then shot a giant bubble blaster to block the path.
6. The villain cracked the treasure vault with a decoder ring, then fired a walnut with a slingshot as a distraction.
7. The villain scaled the rocky cliff using a grappling hook, then lit up the dark cave with glow boots.
8. The villain swung across the deck with a golden spyglass, then shined a bright laser watch to escape.
9. The villain navigated the dark jungle with a pocket compass, then shined a bright laser watch to escape.
10. The villain cracked the treasure vault with a decoder ring, then vanished in a cloud from a smoke bomb.
11. The villain navigated the dark jungle with a pocket compass, then fired a walnut with a slingshot as a distraction.
12. The villain swung across the deck with a golden spyglass, then vanished in a cloud from a smoke bomb.

Answer Key

The Lost Island Map Mystery

Culprit: Mary Read

golden spyglass · laser watch · right handed · red bandana · scared of spiders

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

Clue 1 (Rounding): "THE VILLAIN DOES NOT HAVE GLOW BOOTS"

Round 3,206 to the nearest thousand = 3000 (T) · Round 748 to the nearest hundred = 700 (G) · Round 22 to the nearest ten = 20 (D) · Round 89 to the nearest ten = 90 (V) · Round 64 to the nearest ten = 60 (S) · Round 459 to the nearest hundred = 500 (L) · Round 313 to the nearest hundred = 300 (W) · Round 621 to the nearest hundred = 600 (A) · Round 5,564 to the nearest thousand = 6000 (O) · Round 200 to the nearest hundred = 200 (H) · Round 26 to the nearest ten = 30 (B) · Round 82 to the nearest ten = 80 (E) · Round 7,393 to the nearest thousand = 7000 (N) · Round 2,492 to the nearest thousand = 2000 (I)

Clue 2 (Addition): "THE SUSPECT WRITES WITH THEIR RIGHT HAND"

$305 + 140 = 445$ (T) · $329 + 294 = 623$ (E) · $295 + 558 = 853$ (W) · $249 + 547 = 796$ (U) · $285 + 371 = 656$ (N) · $413 + 263 = 676$ (A) · $485 + 221 = 706$ (S) · $306 + 229 = 535$ (I) · $518 + 433 = 951$ (R) · $421 + 271 = 692$ (G) · $307 + 525 = 832$ (P) · $386 + 349 = 735$ (C) · $147 + 152 = 299$ (H) · $106 + 154 = 260$ (D)

Clue 3 (Subtraction): "A TINY SPIDER WILL SCARE THEM AWAY"

$752 - 266 = 486$ (A) · $824 - 280 = 544$ (I) · $864 - 375 = 489$ (H) · $844 - 23 = 821$ (D) · $345 - 17 = 328$ (T) · $1069 - 170 = 899$ (P) · $489 - 158 = 331$ (Y) · $946 - 82 = 864$ (R) · $783 - 96 = 687$ (S) · $1068 - 302 = 766$ (E) · $928 - 376 = 552$ (M) · $387 - 136 = 251$ (L) · $1054 - 169 = 885$ (W) · $351 - 152 = 199$ (N) · $435 - 311 = 124$ (C)

Clue 4 (Multiplication facts (1-12)): "A RED BANDANA STRAP WAS LEFT BEHIND"

$4 \times 7 = 28$ (A) · $2 \times 7 = 14$ (T) · $1 \times 10 = 10$ (D) · $11 \times 1 = 11$ (N) · $11 \times 3 = 33$ (B) · $8 \times 11 = 88$ (F) · $6 \times 11 = 66$ (H) · $6 \times 10 = 60$ (P) · $2 \times 3 = 6$ (E) · $4 \times 4 = 16$ (L) · $8 \times 4 = 32$ (W) · $4 \times 1 = 4$ (S) · $11 \times 12 = 132$ (I) · $2 \times 11 = 22$ (R)

Clue 5 (Division facts (1-12)): surviving statement is box 8 → Mary Read

$36 \div 3 = 12$ · $11 \div 1 = 11$ · $36 \div 9 = 4$ · $14 \div 2 = 7$ · $45 \div 9 = 5$ · $30 \div 3 = 10$ · $63 \div 7 = 9$ · $10 \div 10 = 1$ · $72 \div 12 = 6$ · $12 \div 4 = 3$ · $18 \div 9 = 2$