



The Mystery of the Missing Treasure Chest

Grade 1 math · Addition, Subtraction, Skip counting, Place value, Missing addends · Reading level grades 1-2

Detective: _____ Date: _____

Someone snuck into Captain Barnaby's cabin and took the map to Skull Island! Solve the math clues to help the crew catch 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 Prowling Pirate is _____

Possible suspects

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

NAME	PIRATE GEAR	POCKET ITEM	DOMINANT HAND	HAIR COLOR	SECRET FEAR
Edward Teach	Spyglass	Rope Knot	Right Handed	Red Hair	Bright Lights
Sailor Sue	Spyglass	Rope Knot	Right Handed	Red Hair	Loud Whistles
Henry Morgan	Golden Anchor	Wooden Coin	Right Handed	Black Hair	Lemon Juice
Pegleg Pete	Golden Anchor	Iron Key	Left Handed	Red Hair	Lemon Juice
Anchor Annie	Spyglass	Parrot Feather	Right Handed	Grey Hair	Loud Whistles
Bouncing Bob	Silver Cutlass	Parrot Feather	Right Handed	Red Hair	Lemon Juice
Captain Blackbeard	Map Scroll	Rope Knot	Left Handed	Grey Hair	Bright Lights
Salty Sam	Golden Anchor	Rope Knot	Right Handed	Grey Hair	Loud Whistles
Barnaby Blue	Spyglass	Wooden Coin	Right Handed	Red Hair	Bright Lights
Anne Bonny	Brass Compass	Rope Knot	Right Handed	Red Hair	Bright Lights
Sharkbait Sam	Map Scroll	Parrot Feather	Right Handed	Grey Hair	Bright Lights
Barnacle Bill	Map Scroll	Wooden Coin	Right Handed	Black Hair	Loud Whistles
Calico Jack	Map Scroll	Rope Knot	Right Handed	Grey Hair	Lemon Juice
Skipper Skip	Brass Compass	Parrot Feather	Left Handed	Black Hair	Loud Whistles
Cannonball Cole	Brass Compass	Parrot Feather	Right Handed	Grey Hair	Bright Lights
Jolly Roger	Spyglass	Iron Key	Left Handed	Grey Hair	Bright Lights
Driftwood Dave	Golden Anchor	Sea Shell	Right Handed	Red Hair	Bright Lights
Patchy Pete	Silver Cutlass	Rope Knot	Left Handed	Red Hair	Bright Lights
Bartholomew Roberts	Golden Anchor	Rope Knot	Right Handed	Red Hair	Bright Lights
Deckhand Dan	Silver Cutlass	Sea Shell	Right Handed	Black Hair	Bright Lights
Grace O Malley	Golden Anchor	Parrot Feather	Left Handed	Black Hair	Bright Lights

CLUE 1

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

15 3 11 18 4 10 10 16 4 9 8 7 11 2 9 7 15

5 16 6 6 12 16 2 11 16 2 3 11 10 10

$5 + 10 = \square \rightarrow \boxed{\mathbf{T}}$

$8 + 10 = \square \rightarrow \boxed{\mathbf{V}}$

$$2 + 5 = \boxed{} \rightarrow \boxed{0}$$

$1 + 2 = \boxed{} \rightarrow \boxed{\text{H}}$

$7 + 2 = \square \rightarrow \boxed{\text{N}}$

$5 + 3 = \square \rightarrow \boxed{\text{D}}$

$6 + 5 = \boxed{} \rightarrow \boxed{\text{E}}$

$4 + 12 = \square \rightarrow \boxed{\mathbf{A}}$

$5 + 7 = \square \rightarrow \boxed{\text{Y}}$

$1 + 3 = \square \rightarrow \boxed{I}$

$$5 + 1 = \boxed{} \rightarrow \boxed{\mathbf{R}}$$

$7 + 3 = \square \rightarrow \boxed{\text{L}}$

$1 + 1 = \square \rightarrow \boxed{\mathbf{S}}$

$2 + 3 = \square \rightarrow \boxed{\text{C}}$

Scratch space:

CLUE 2

Subtraction

Lookout Lou subtracts used cannonballs from the deck supply.

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

T																	
9	13	7	8	19	7	5	12	3	16	6	1	1	5	6	19	6	8

				T						
17	6	14	13	9	13	5	19	10	7	10

$15 - 6 = \square \rightarrow \boxed{\text{T}}$

$14 - 9 = \square \rightarrow \boxed{\text{A}}$

$10 - 3 = \square \rightarrow \boxed{\text{E}}$

$13 - 1 = \square \rightarrow \boxed{\text{K}}$

$20 - 1 = \square \rightarrow \boxed{\text{N}}$

$20 - 4 = \square \rightarrow \boxed{\text{V}}$

$2 - 1 = \square \rightarrow \boxed{\text{L}}$

$17 - 4 = \square \rightarrow \boxed{\text{H}}$

$14 - 4 = \square \rightarrow \boxed{\text{D}}$

$19 - 2 = \square \rightarrow \boxed{\text{R}}$

$13 - 5 = \square \rightarrow \boxed{\text{S}}$

$10 - 7 = \square \rightarrow \boxed{\text{Y}}$

$18 - 4 = \square \rightarrow \boxed{\text{G}}$

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

Scratch space:

CLUE 3

Skip counting

Sailor Sue skip counts wooden barrels stacked along the ship rail.

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

T																	
21	45	20	80	110	120	120	22	110	130	28	30	130	40	12	28	15	25
					T					T							
14	28	110	70	45	21	120	110	70	45	21	40						

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, __, 24, 27 → **T**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 → **N**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, __, 16, 18 → **B**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 → **H**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, __, 45, 50 → **S**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, __, 22, 24 → **E**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, __, 33, 36 → **U**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, __, 120, 130 → **I**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, __, 30, 32 → **R**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, __, 80, 90 → **G**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, __, 30, 35 → **M**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, __, 90, 100 → **V**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, __, 130, 140 → **L**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, __, 14, 16 → **F**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, __, 24, 26 → **A**

Skip-count by 5s. Fill the blank: 5, 10, __, 20, 25 → **O**

Scratch space:

CLUE 4

Place value

Quartermaster Pip checks tens and ones on the pearl chart.

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

W																		
61	11	63	77	28	25	40	88	11	40	43	37	94	88	37	68	68	43	11
79	46	11	25	11														

What number has 6 tens and 1 one?

→

W

What number has 8 tens and 8 ones?

→

R

What number has 2 tens and 8 ones?

→

U

What number has 4 tens and 0 ones?

→

D

What number has 2 tens and 5 ones?

→

N

What number has 1 ten and 1 one?

→

E

What number has 6 tens and 8 ones?

→

T

What number has 7 tens and 7 ones?

→

O

What number has 6 tens and 3 ones?

→

F

What number has 4 tens and 3 ones?

→

H

What number has 4 tens and 6 ones?

→

C

What number has 7 tens and 9 ones?

→

S

What number has 3 tens and 7 ones?

→

A

What number has 9 tens and 4 ones?

→

I

Scratch space:

CLUE 5**Missing addends - the last clue**

Captain Barnaby finds the missing number of sea maps needed for the trip.

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:

$3 + \underline{\quad} = 11$

$9 + \underline{\quad} = 10$

$4 + \underline{\quad} = 8$

$2 + \underline{\quad} = 12$

$10 + \underline{\quad} = 17$

$4 + \underline{\quad} = 16$

$8 + \underline{\quad} = 10$

$5 + \underline{\quad} = 11$

$2 + \underline{\quad} = 13$

$9 + \underline{\quad} = 18$

$6 + \underline{\quad} = 9$

Step 2 - cross out the sentence with each answer:

1. The villain looked through a spyglass, then tied a rope knot.
2. The villain checked a map scroll, then dropped a wooden coin.
3. The villain checked a map scroll, then left a parrot feather.
4. The villain looked through a spyglass, then dropped a wooden coin.
5. The villain dropped a golden anchor, then tied a rope knot.
6. The villain checked a map scroll, then dropped an iron key.
7. The villain used a brass compass, then left a parrot feather.
8. The villain used a brass compass, then tied a rope knot.
9. The villain swung a silver cutlass, then tied a rope knot.
10. The villain dropped a golden anchor, then lost a sea shell.
11. The villain used a brass compass, then lost a sea shell.
12. The villain swung a silver cutlass, then dropped a wooden coin.

Answer Key

The Mystery of the Missing Treasure Chest

Culprit: Bartholomew Roberts

Golden Anchor · Rope Knot · Right Handed · Red Hair · Bright Lights

Trail: Start 21 → Clue 1 19 → Clue 2 13 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE VILLAIN DOES NOT CARRY A SEA SHELL"

$5 + 10 = 15$ (T) · $8 + 10 = 18$ (V) · $2 + 5 = 7$ (O) · $1 + 2 = 3$ (H) · $7 + 2 = 9$ (N) · $5 + 3 = 8$ (D) · $6 + 5 = 11$ (E) · $4 + 12 = 16$ (A) · $5 + 7 = 12$ (Y) · $1 + 3 = 4$ (I) · $5 + 1 = 6$ (R) · $7 + 3 = 10$ (L) · $1 + 1 = 2$ (S) · $2 + 3 = 5$ (C)

Clue 2 (Subtraction): "THE SNEAKY VILLAIN IS RIGHT HANDED"

$15 - 6 = 9$ (T) · $14 - 9 = 5$ (A) · $10 - 3 = 7$ (E) · $13 - 1 = 12$ (K) · $20 - 1 = 19$ (N) · $20 - 4 = 16$ (V) · $2 - 1 = 1$ (L) · $17 - 4 = 13$ (H) · $14 - 4 = 10$ (D) · $19 - 2 = 17$ (R) · $13 - 5 = 8$ (S) · $10 - 7 = 3$ (Y) · $18 - 4 = 14$ (G) · $11 - 5 = 6$ (I)

Clue 3 (Skip counting): "THE VILLAIN RUNS FROM BRIGHT LIGHTS"

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, __, 24, 27 = 21 (T) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 = 130 (N) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, __, 16, 18 = 14 (B) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 = 45 (H) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, __, 45, 50 = 40 (S) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, __, 22, 24 = 20 (E) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, __, 33, 36 = 30 (U) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, __, 120, 130 = 110 (I) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, __, 30, 32 = 28 (R) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, __, 80, 90 = 70 (G) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, __, 30, 35 = 25 (M) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, __, 90, 100 = 80 (V) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, __, 130, 140 = 120 (L) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, __, 14, 16 = 12 (F) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, __, 24, 26 = 22 (A) · Skip-count by 5s. Fill the blank: 5, 10, __, 20, 25 = 15 (O)

Clue 4 (Place value): "WE FOUND RED HAIR AT THE SCENE"

What number has 6 tens and 1 one? = 61 (W) · What number has 8 tens and 8 ones? = 88 (R) · What number has 2 tens and 8 ones? = 28 (U) · What number has 4 tens and 0 ones? = 40 (D) · What number has 2 tens and 5 ones? = 25 (N) · What number has 1 ten and 1 one? = 11 (E) · What number has 6 tens and 8 ones? = 68 (T) · What number has 7 tens and 7 ones? = 77 (O) · What number has 6 tens and 3 ones? = 63 (F) · What number has 4 tens and 3 ones? = 43 (H) · What number has 4 tens and 6 ones? = 46 (C) · What number has 7 tens and 9 ones? = 79 (S) · What number has 3 tens and 7 ones? = 37 (A) · What number has 9 tens and 4 ones? = 94 (I)

Clue 5 (Missing addends): surviving statement is box 5 → Bartholomew Roberts

$3 + \underline{\quad} = 11 = 8$ · $9 + \underline{\quad} = 10 = 1$ · $4 + \underline{\quad} = 8 = 4$ · $2 + \underline{\quad} = 12 = 10$ · $10 + \underline{\quad} = 17 = 7$ · $4 + \underline{\quad} = 16 = 12$ · $8 + \underline{\quad} = 10 = 2$ · $5 + \underline{\quad} = 11 = 6$ · $2 + \underline{\quad} = 13 = 11$ · $9 + \underline{\quad} = 18 = 9$ · $6 + \underline{\quad} = 9 = 3$