The Mystery of Coral Cloud Cove

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

Detective: _____ **Date:** _____

Someone stole the Glitter Crown from Captain Pearly! Was it a mermaid, a pirate, or a magic unicorn? Follow the clues to find the thief!

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 Sea Thief is _____

Possible suspects

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

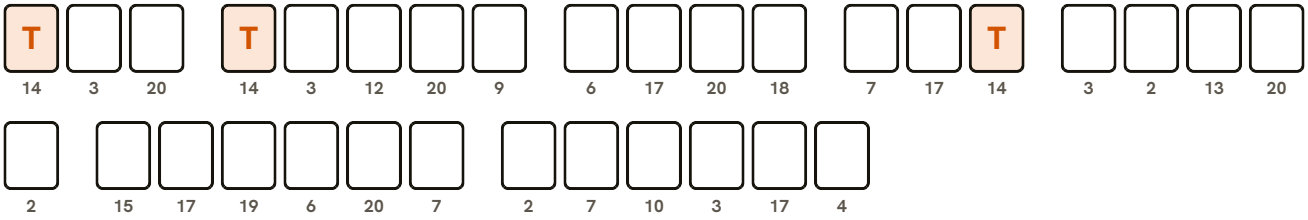
NAME	MAGIC SKILL	SEA TREASURE	HABIT	MANE COLOR	SCARED OF
Captain Wave	Rainbow Sparkles	Conch Shell	Right Handed	Blue Hair	Shiny Mirrors
Glitter	Wave Splashing	Silver Key	Right Handed	Gold Hair	Loud Whistles
Sandy	Star Singing	Pearl Map	Right Handed	Pink Hair	Shiny Mirrors
Coralie	Horn Glowing	Crystal Compass	Left Handed	Blue Hair	Loud Whistles
Ocean	Wave Splashing	Conch Shell	Left Handed	Gold Hair	Shiny Mirrors
Barnacle	Rainbow Sparkles	Pearl Map	Right Handed	Gold Hair	Loud Whistles
Captain Hook	Bubble Flying	Pearl Map	Left Handed	Gold Hair	Loud Whistles
Jewel	Horn Glowing	Crystal Compass	Left Handed	Pink Hair	Shiny Mirrors
Marina	Rainbow Sparkles	Pearl Map	Left Handed	Blue Hair	Loud Whistles
Pearl	Star Singing	Conch Shell	Left Handed	Pink Hair	Loud Whistles
Captain Coral	Bubble Flying	Crystal Compass	Right Handed	Gold Hair	Loud Whistles
Twinkle	Horn Glowing	Crystal Compass	Left Handed	Gold Hair	Loud Whistles
Skylar	Rainbow Sparkles	Conch Shell	Right Handed	Gold Hair	Loud Whistles
Anchor	Bubble Flying	Golden Anchor	Right Handed	Pink Hair	Sweet Berries
Star sparkle	Bubble Flying	Conch Shell	Right Handed	Blue Hair	Shiny Mirrors
Finny	Wave Splashing	Conch Shell	Right Handed	Gold Hair	Sweet Berries
Bubbles	Rainbow Sparkles	Pearl Map	Right Handed	Gold Hair	Shiny Mirrors
Shelly	Wave Splashing	Golden Anchor	Right Handed	Gold Hair	Loud Whistles
Misty	Horn Glowing	Pearl Map	Right Handed	Blue Hair	Loud Whistles
Swirly	Star Singing	Golden Anchor	Left Handed	Pink Hair	Loud Whistles
Breeze	Horn Glowing	Pearl Map	Left Handed	Gold Hair	Loud Whistles

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CLUE 1 Addition

Captain Pearly counted the shiny shells found on deck to find the first secret.

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



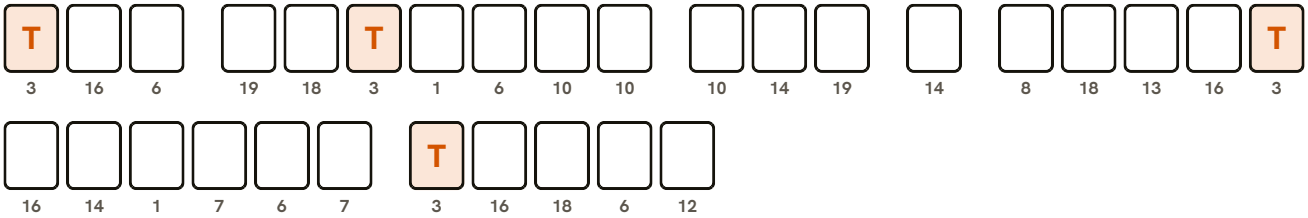
10 + 4 = ☐ → T	5 + 1 = ☐ → D	2 + 5 = ☐ → N	8 + 4 = ☐ → I
7 + 2 = ☐ → F	8 + 12 = ☐ → E	1 + 1 = ☐ → A	9 + 9 = ☐ → S
7 + 12 = ☐ → L	7 + 10 = ☐ → O	8 + 5 = ☐ → V	
1 + 3 = ☐ → R	7 + 3 = ☐ → C	1 + 2 = ☐ → H	6 + 9 = ☐ → G

Scratch space:

CLUE 2 Subtraction

Marina took away the cracked pearls to reveal a hidden note.

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



6 - 3 = ☐ → T

15 - 2 = ☐ → G

19 - 1 = ☐ → I

9 - 8 = ☐ → N

16 - 9 = ☐ → D

14 - 8 = ☐ → E

10 - 2 = ☐ → R

17 - 3 = ☐ → A

19 - 3 = ☐ → H

17 - 5 = ☐ → F

18 - 8 = ☐ → S

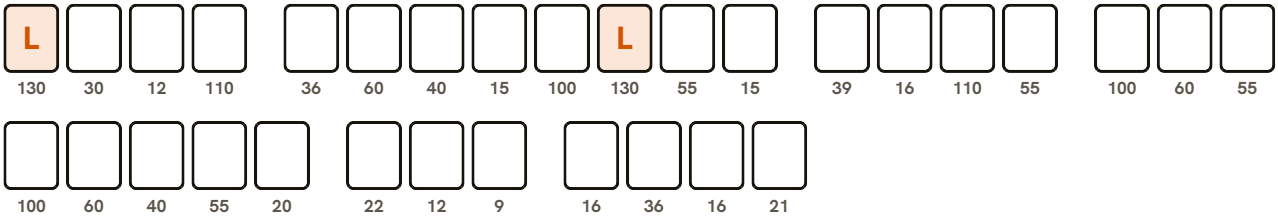
20 - 1 = ☐ → W

Scratch space:

CLUE 3 Skip counting

> Swirly counted sea stars by twos along the sandy beach.

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



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

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

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

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

Skip-count by 5s. Fill the blank: 5, 10, ___, 20, 25 ☐ → **S**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, ___, 39, 42 ☐ → **W**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, ___, 110, 120 ☐ → **T**

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

Skip-count by 3s. Fill the blank: 3, 6, ___, 12, 15 ☐ → **N**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, ___, 35, 40 ☐ → **O**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, ___, 65, 70 ☐ → **H**

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

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, ___, 18, 20 ☐ → **A**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, ___, 45, 50 ☐ → I

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, ___, 42, 45 ☐ → M

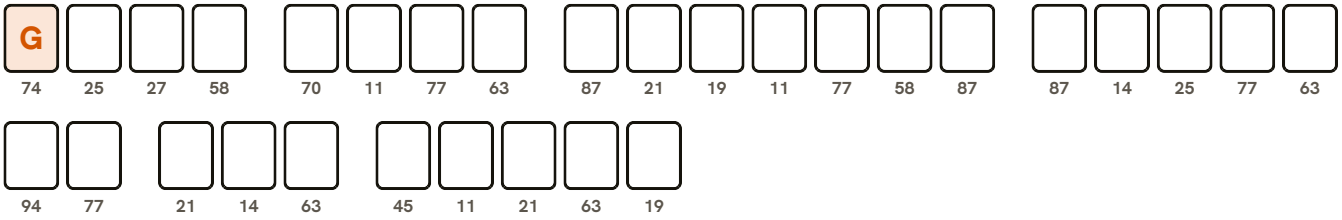
Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, ___, 60, 65 ☐ → E

Scratch space:

CLUE 4 Place value

Finny grouped the magic crystals into tens and ones to read a sign.

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



What number has 7 tens and 4 ones? ☐ → G

What number has 2 tens and 7 ones? ☐ → L

What number has 5 tens and 8 ones? ☐ → D

What number has 2 tens and 5 ones? ☐ → O

What number has 1 ten and 1 one? ☐ → A

What number has 6 tens and 3 ones? ☐ → E

What number has 7 tens and 7 ones? ☐ → N

What number has 2 tens and 1 one? ☐ → T

What number has 1 ten and 4 ones? ☐ → H

What number has 9 tens and 4 ones? ☐ → I

What number has 1 ten and 9 ones? ☐ → R

What number has 8 tens and 7 ones? ☐ → S

What number has 7 tens and 0 ones? ☐ → M

What number has 4 tens and 5 ones? ☐ → W

Scratch space:

CLUE 5 Missing addends - the last clue

Barnaby figured out how many missing gems were needed to open the chest.

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:

2 + ___ = 5 ☐	1 + ___ = 11 ☐	9 + ___ = 21 ☐	9 + ___ = 11 ☐
7 + ___ = 8 ☐	2 + ___ = 9 ☐	4 + ___ = 9 ☐	1 + ___ = 9 ☐	10 + ___ = 14 ☐
10 + ___ = 21 ☐	8 + ___ = 14 ☐		

Step 2 - cross out the sentence with each answer:

1. The villain makes their horn glow, then unlocks the silver key.
2. The villain sings a star song, then grabs the pearl map.
3. The villain flies in a giant bubble, then looks at the crystal compass.
4. The villain makes their horn glow, then takes the conch shell.
5. The villain makes big wave splashes, then takes the conch shell.
6. The villain sings a star song, then drops the golden anchor.
7. The villain sings a star song, then unlocks the silver key.
8. The villain makes big wave splashes, then grabs the pearl map.
9. The villain shoots rainbow sparkles, then grabs the pearl map.
10. The villain shoots rainbow sparkles, then takes the conch shell.
11. The villain shoots rainbow sparkles, then unlocks the silver key.
12. The villain makes big wave splashes, then unlocks the silver key.

TEACHER / PARENT

Answer Key

The Mystery of Coral Cloud Cove

Culprit: Barnacle

Rainbow Sparkles · Pearl Map · Right Handed · Gold Hair · Loud Whistles

Trail: Start 21 → Clue 1 18 → Clue 2 10 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE THIEF DOES NOT HAVE A GOLDEN ANCHOR"

10 + 4 = 14 (T) · 5 + 1 = 6 (D) · 2 + 5 = 7 (N) · 8 + 4 = 12 (I) · 7 + 2 = 9 (F) · 8 + 12 = 20 (E) · 1 + 1 = 2 (A) · 9 + 9 = 18 (S) · 7 + 12 = 19 (L) · 7 + 10 = 17 (O) · 8 + 5 = 13 (V) · 1 + 3 = 4 (R) · 7 + 3 = 10 (C) · 1 + 2 = 3 (H) · 6 + 9 = 15 (G)

Clue 2 (Subtraction): "THE WITNESS SAW A RIGHT HANDED THIEF"

6 - 3 = 3 (T) · 15 - 2 = 13 (G) · 19 - 1 = 18 (I) · 9 - 8 = 1 (N) · 16 - 9 = 7 (D) · 14 - 8 = 6 (E) · 10 - 2 = 8 (R) · 17 - 3 = 14 (A) · 19 - 3 = 16 (H) · 17 - 5 = 12 (F) · 18 - 8 = 10 (S) · 20 - 1 = 19 (W)

Clue 3 (Skip counting): "LOUD WHISTLES MADE THE THIEF RUN AWAY"

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, ___, 140, 150 = 130 (L) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, ___, 24, 27 = 21 (Y) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, ___, 14, 16 = 12 (U) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, ___, 24, 26 = 22 (R) · Skip-count by 5s. Fill the blank: 5, 10, ___, 20, 25 = 15 (S) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, ___, 39, 42 = 36 (W) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, ___, 110, 120 = 100 (T) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, ___, 120, 130 = 110 (D) · Skip-count by 3s. Fill the blank: 3, 6, ___, 12, 15 = 9 (N) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, ___, 35, 40 = 30 (O) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, ___, 65, 70 = 60 (H) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, ___, 22, 24 = 20 (F) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, ___, 18, 20 = 16 (A) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, ___, 45, 50 = 40 (I) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, ___, 42, 45 = 39 (M) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, ___, 60, 65 = 55 (E)

Clue 4 (Place value): "GOLD MANE STRANDS SHONE IN THE WATER"

What number has 7 tens and 4 ones? = 74 (G) · What number has 2 tens and 7 ones? = 27 (L) · What number has 5 tens and 8 ones? = 58 (D) · What number has 2 tens and 5 ones? = 25 (O) · What number has 1 ten and 1 one? = 11 (A) · What number has 6 tens and 3 ones? = 63 (E) · What number has 7 tens and 7 ones? = 77 (N) · What number has 2 tens and 1 one? = 21 (T) · What number has 1 ten and 4 ones? = 14 (H) · What number has 9 tens and 4 ones? = 94 (I) · What number has 1 ten and 9 ones? = 19 (R) · What number has 8 tens and 7 ones? = 87 (S) · What number has 7 tens and 0 ones? = 70 (M) · What number has 4 tens and 5 ones? = 45 (W)

Clue 5 (Missing addends): surviving statement is box 9 → Barnacle

2 + ___ = 5 = 3 · 1 + ___ = 11 = 10 · 9 + ___ = 21 = 12 · 9 + ___ = 11 = 2 · 7 + ___ = 8 = 1 · 2 + ___ = 9 = 7 · 4 + ___ = 9 = 5 · 1 + ___ = 9 = 8 · 10 + ___ = 14 = 4 · 10 + ___ = 21 = 11 · 8 + ___ = 14 = 6