



The Great Ocean Bowl Heist

Grade 3 math · Skip counting, Place value, Rounding, Bar models, Fractions of a number · Reading level grades 3-4

Detective: _____ **Date:** _____

The Ocean Bowl championship trophy has gone missing from Siren Bay! A sneaky cat pirate slipped past the guard mermaids right after the big game. Solve the math clues to uncover who took the trophy!

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 cat pirate is _____

Possible suspects

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

NAME	SOCCER MOVE	PIRATE GEAR	KICKING FOOT	FUR STYLE	DISTRACTION
Mermaid Mina	Super Slide	Silver Whistle	Right Footed	Calico Stripes	Squeaky Mouse
Kicker Kitty	Tail Header	Spyglass	Left Footed	Calico Stripes	Catnip Toy
Barnaby Whiskers	Anchor Tackle	Silver Whistle	Right Footed	Sleek Black	Laser Pointer
Captain Pawfect	Anchor Tackle	Eyepatch	Left Footed	Calico Stripes	Squeaky Mouse
Admiral Fluff	Paw Volley	Spyglass	Right Footed	Fluffy Mane	Squeaky Mouse
Coral Cleats	Tail Header	Silver Whistle	Left Footed	Sleek Black	Catnip Toy
Tackling Tabby	Paw Volley	Feather Hat	Right Footed	Calico Stripes	Catnip Toy
Finn Feline	Paw Volley	Silver Whistle	Left Footed	Calico Stripes	Squeaky Mouse
Salty Sam	Super Slide	Feather Hat	Right Footed	Calico Stripes	Squeaky Mouse
Travis Kelflea	Bicycle Kick	Silver Whistle	Right Footed	Calico Stripes	Squeaky Mouse
Gridiron Garfield	Paw Volley	Eyepatch	Right Footed	Sleek Black	Laser Pointer
Buccaneer Beak	Anchor Tackle	Silver Whistle	Right Footed	Calico Stripes	Laser Pointer
Rover Bay	Tail Header	Gold Compass	Left Footed	Calico Stripes	Laser Pointer
Pegleg Polly	Bicycle Kick	Eyepatch	Right Footed	Sleek Black	Laser Pointer
Quarterback Cat	Anchor Tackle	Eyepatch	Left Footed	Sleek Black	Laser Pointer
Sirena Swift	Paw Volley	Feather Hat	Right Footed	Fluffy Mane	Laser Pointer
Meowshaun Lynch	Anchor Tackle	Silver Whistle	Left Footed	Sleek Black	Squeaky Mouse
Captain Claws	Paw Volley	Feather Hat	Left Footed	Sleek Black	Laser Pointer
First Mate Felix	Paw Volley	Gold Compass	Right Footed	Calico Stripes	Squeaky Mouse
Sailor Whiskers	Paw Volley	Gold Compass	Right Footed	Fluffy Mane	Laser Pointer
Chupacabra Claw	Tail Header	Eyepatch	Right Footed	Calico Stripes	Squeaky Mouse

CLUE 1 Skip counting

Captain Purr counts the soccer balls on the deck by leapfrogging in groups.

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

T																T
45	65	80	100	10	12	12	90	10	33	14	24	80	8	33	24	45
								T								T
130	80	90	55	90	60	80	90	45	65	80	55	65	90	45		

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

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, __, 26, 28 → **O**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, __, 12, 14 → **I**

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

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

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

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

Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 → **S**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, __, 36, 39 → **N**

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

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, __, 70, 80 → **F**

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

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, __, 70, 75 → **H**

Scratch space:

CLUE 2

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

T

C

E

K

10

G

R

I

H

O

N

W

F

10

D

11

S

10

A

Scratch space:

Rounding

The ship radar only shows whole estimated yardage numbers for nearby pirate rafts.

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

Round 4,756 to the nearest thousand → **T**

Round 491 to the nearest hundred → **Y**

Round 157 to the nearest hundred → **E**

Round 91 to the nearest ten $\rightarrow$ **M**

Round 78 to the nearest ten $\rightarrow$ **N**

Round 63 to the nearest ten $\rightarrow$ **A**

Round 7,870 to the nearest thousand → ☒

Round 1,602 to the nearest thousand → **B**

Round 6,680 to the nearest thousand → **S**

Round 6,139 to the nearest thousand →

Round 752 to the nearest hundred $\rightarrow$ **K**

Round 8,845 to the nearest thousand → **U**

Round 577 to the nearest hundred $\rightarrow$ **R**

Round 4,152 to the nearest thousand → **P**

Round 70 to the nearest ten → **D**

Round 48 to the nearest ten $\rightarrow$ **H**

Round 892 to the nearest hundred → **C**

Scratch space:

CLUE 4

Bar model word problems

The referee compares team training hours using stacked wooden bar blocks.

Draw a bar model to solve each word problem, then write its letter in the boxes to fill in the missing word.

A strand of

C				C				R		P	E	
26	53	7	10	26	23	47	52		10			47

 hair turned up at the scene.

The red team has 42 golden soccer balls and the blue team has 16 golden soccer balls. How many more golden soccer balls does the red team have?

draw a bar model

Answer:

--

 →

C

Captain Purr has 235 golden soccer balls, packed 5 to a bag. How many bags can be filled?

draw a bar model

Answer:

--

 →

S

There were 87 pirate coins in all. 35 pirate coins were used. How many pirate coins are left?

draw a bar model

Answer:

--

 →

T

The red team has 54 catnip pouches and the blue team has 31 catnip pouches. How many more catnip pouches does the red team have?

draw a bar model

Answer:

--

 →

O

There were 46 pirate coins in all. 36 pirate coins were used. How many pirate coins are left?

draw a bar model

Answer:

--

 →

I

The red team has 60 cheer pom poms and the blue team has 7 cheer pom poms. How many more cheer pom poms does the red team have?

draw a bar model

Answer:

--

 →

A

The red team has 17 cheer pom poms and the blue team has 10 cheer pom poms. How many more cheer pom poms does the red team have?

draw a bar model

Answer:

--

 →

L

CLUE 5**Fractions of a number - the last clue**

The team splits their stash of golden victory fish into equal fractions.

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:

$2/10 \text{ of } 55 = \boxed{}$

$1/10 \text{ of } 100 = \boxed{}$

$2/10 \text{ of } 40 = \boxed{}$

$1/4 \text{ of } 24 = \boxed{}$

$1/5 \text{ of } 25 = \boxed{}$

$3/8 \text{ of } 24 = \boxed{}$

$2/10 \text{ of } 5 = \boxed{}$

$4/6 \text{ of } 18 = \boxed{}$

$5/10 \text{ of } 14 = \boxed{}$

$1/6 \text{ of } 12 = \boxed{}$

$1/8 \text{ of } 32 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain performed a bicycle kick, then looked through a spyglass.
2. The villain leaped for a paw volley, then blew a silver whistle.
3. The villain executed a tail header, then adjusted their eyepatch.
4. The villain made a super slide, then checked their gold compass.
5. The villain leaped for a paw volley, then tipped their feather hat.
6. The villain landed an anchor tackle, then looked through a spyglass.
7. The villain performed a bicycle kick, then adjusted their eyepatch.
8. The villain performed a bicycle kick, then blew a silver whistle.
9. The villain landed an anchor tackle, then adjusted their eyepatch.
10. The villain made a super slide, then blew a silver whistle.
11. The villain leaped for a paw volley, then checked their gold compass.
12. The villain performed a bicycle kick, then tipped their feather hat.

Answer Key

The Great Ocean Bowl Heist

Culprit: Chupacabra Claw

Tail Header · Eyepatch · Right Footed · Calico Stripes · Squeaky Mouse

Trail: Start 21 → Clue 1 17 → Clue 2 10 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Skip counting): "THE VILLAIN DOES NOT WEAR A FEATHER HAT"

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 = 45 (T) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, __, 26, 28 = 24 (O) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, __, 12, 14 = 10 (I) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, __, 16, 18 = 14 (D) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, __, 110, 120 = 100 (V) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, __, 90, 100 = 80 (E) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, __, 14, 16 = 12 (L) · Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 = 8 (S) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, __, 36, 39 = 33 (N) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 = 130 (W) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, __, 70, 80 = 60 (F) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, __, 60, 65 = 55 (R) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110 = 90 (A) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, __, 70, 75 = 65 (H)

Clue 2 (Place value): "THE WITNESS SAW A RIGHT FOOTED KICK"

What is the value of the 7 in 878? = 70 (T) · What is the value of the 5 in 8,158? = 50 (C) · What is the value of the 7 in 57,662? = 7000 (E) · What is the value of the 3 in 8,934? = 30 (K) · What is the value of the 1 in 81,720? = 1000 (G) · What is the value of the 6 in 7,600? = 600 (R) · What is the value of the 9 in 19,344? = 9000 (I) · What is the value of the 1 in 3,162? = 100 (H) · What is the value of the 4 in 64,662? = 4000 (O) · What is the value of the 2 in 5,241? = 200 (N) · What is the value of the 3 in 3,908? = 3000 (W) · What is the value of the 7 in 763? = 700 (F) · What is the value of the 5 in 590? = 500 (D) · What is the value of the 2 in 82,759? = 2000 (S) · What is the value of the 8 in 68,367? = 8000 (A)

Clue 3 (Rounding): "THE SNEAKY PIRATE DISTRACTED BY MOUSE"

Round 4,756 to the nearest thousand = 5000 (T) · Round 491 to the nearest hundred = 500 (Y) · Round 157 to the nearest hundred = 200 (E) · Round 91 to the nearest ten = 90 (M) · Round 78 to the nearest ten = 80 (N) · Round 63 to the nearest ten = 60 (A) · Round 7,870 to the nearest thousand = 8000 (O) · Round 1,602 to the nearest thousand = 2000 (B) · Round 6,680 to the nearest thousand = 7000 (S) · Round 6,139 to the nearest thousand = 6000 (I) · Round 752 to the nearest hundred = 800 (K) · Round 8,845 to the nearest thousand = 9000 (U) · Round 577 to the nearest hundred = 600 (R) · Round 4,152 to the nearest thousand = 4000 (P) · Round 70 to the nearest ten = 70 (D) · Round 48 to the nearest ten = 50 (H) · Round 892 to the nearest hundred = 900 (C)

Clue 4 (Bar model word problems): "CALICO STRIPES"

The red team has 42 golden soccer balls and the blue team has 16 golden soccer balls. How many more golden soccer balls does the red team have? = 26 (C) · Captain Purr has 235 golden soccer balls, packed 5 to a bag. How many bags can be filled? = 47 (S) · There were 87 pirate coins in all. 35 pirate coins were used. How many pirate coins are left? = 52 (T) · The red team has 54 catnip pouches and the blue team has 31 catnip pouches. How many more catnip pouches does the red team have? = 23 (O) · There were 46 pirate coins in all. 36 pirate coins were used. How many pirate coins are left? = 10 (I) · The red team has 60 cheer pom poms and the blue team has 7 cheer pom poms. How many more cheer pom poms does the red team have? = 53 (A) · The red team has 17 cheer pom poms and the blue team has 10 cheer pom poms. How many more cheer pom poms does the red team have? = 7 (L)

Clue 5 (Fractions of a number): surviving statement is box 3 → Chupacabra Claw

$\frac{2}{10}$ of 55 = 11 · $\frac{1}{10}$ of 100 = 10 · $\frac{2}{10}$ of 40 = 8 · $\frac{1}{4}$ of 24 = 6 · $\frac{1}{5}$ of 25 = 5 · $\frac{3}{8}$ of 24 = 9 · $\frac{2}{10}$ of 5 = 1 · $\frac{4}{6}$ of 18 = 12 · $\frac{5}{10}$ of 14 = 7 · $\frac{1}{6}$ of 12 = 2 · $\frac{1}{8}$ of 32 = 4