



The Dino Pirate Cup Heist

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

Detective: _____ Date: _____

Someone swapped Captain Raptor's Golden Anchor Trophy with a fake wooden skull during the Dino Pirate Cup! Solve the math clues to find out which pirate player pulled off the heist.

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 Striker is _____

Possible suspects

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

NAME	DINO SOCCER MOVE	PIRATE GEAR	KICKING FOOT	HEADWEAR	DISTRACTION
Neymar Jr	T Rex Kick	Golden Whistle	Left Footed	Triceratops Cap	Raw Meat Snacks
Megan Rapinoe	Tricera Tackle	Bone Cleats	Left Footed	Pirate Tricorne	Raw Meat Snacks
Barnaby Bones	T Rex Kick	Golden Whistle	Right Footed	Pirate Tricorne	Squeaky Dog Toys
Beth Mead	Tricera Tackle	Compass Ball	Left Footed	Triceratops Cap	Squeaky Dog Toys
Erling Haaland	Raptor Dash	Golden Whistle	Right Footed	Pirate Tricorne	Raw Meat Snacks
Christian Pulisic	Raptor Dash	Cannon Boots	Left Footed	Pirate Tricorne	Squeaky Dog Toys
Mia Hamm	Raptor Dash	Compass Ball	Left Footed	Pirate Tricorne	Squeaky Dog Toys
Alex Morgan	Raptor Dash	Golden Whistle	Right Footed	Pirate Tricorne	Squeaky Dog Toys
Kylian Mbappé	T Rex Kick	Anchor Shin Guards	Right Footed	Pirate Tricorne	Raw Meat Snacks
Alphonso Davies	Ptero Pass	Cannon Boots	Right Footed	Bandana Dreadlocks	Raw Meat Snacks
Luka Modri	Stego Shield	Cannon Boots	Right Footed	Pirate Tricorne	Raw Meat Snacks
Virgil van Dijk	Tricera Tackle	Cannon Boots	Right Footed	Triceratops Cap	Raw Meat Snacks
Marta	Ptero Pass	Golden Whistle	Left Footed	Pirate Tricorne	Squeaky Dog Toys
Cristiano Ronaldo	Stego Shield	Golden Whistle	Left Footed	Triceratops Cap	Raw Meat Snacks
Jack Sparrow	Ptero Pass	Anchor Shin Guards	Right Footed	Pirate Tricorne	Squeaky Dog Toys
Lucy Bronze	Raptor Dash	Golden Whistle	Right Footed	Pirate Tricorne	Shiny Doubloons
Bukayo Saka	Tricera Tackle	Compass Ball	Right Footed	Pirate Tricorne	Raw Meat Snacks
Pelé	Stego Shield	Anchor Shin Guards	Right Footed	Pirate Tricorne	Raw Meat Snacks
Son Heungmin	Raptor Dash	Cannon Boots	Left Footed	Bandana Dreadlocks	Raw Meat Snacks
Lionel Messi	T Rex Kick	Anchor Shin Guards	Left Footed	Pirate Tricorne	Raw Meat Snacks
Marcus Rashford	Raptor Dash	Compass Ball	Right Footed	Triceratops Cap	Squeaky Dog Toys

CLUE 1 Rounding

The stadium scanner only gives rounded numbers for total pirate fans entering the arena.

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

T																T
200	9000	30	50	5000	60	60	500	5000	8000	70	7000	30	4000	8000	7000	200
300	4000	30	500	6000	7000	700	900	500	4000	4000	2000	500	60	60		

Round 238 to the nearest hundred → **T**

Round 7,973 to the nearest thousand → **N**

Round 335 to the nearest hundred → **U**

Round 4,745 to the nearest thousand → **I**

Round 879 to the nearest hundred → **P**

Round 3,573 to the nearest thousand → **S**

Round 5,730 to the nearest thousand → **C**

Round 9,071 to the nearest thousand → **H**

Round 725 to the nearest hundred → **M**

Round 63 to the nearest ten → **L**

Round 2,014 to the nearest thousand → **B**

Round 72 to the nearest ten → **D**

Round 7,150 to the nearest thousand → **O**

Round 526 to the nearest hundred → **A**

Round 48 to the nearest ten → **V**

Round 28 to the nearest ten → **E**

Scratch space:

CLUE 2

Addition

You tally up all the dinosaur soccer balls left in the dugout after practice.

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

R										R								R	
783	216	926	962	402	580	547	547	402	552	783	216	952	402	335	806	890	783	890	

580	547	301	952	690	216	952	402	962	890	393	301	690

$423 + 360 = \square \rightarrow \text{R}$

$308 + 382 = \square \rightarrow \text{D}$

$306 + 584 = \square \rightarrow \text{E}$

$269 + 124 = \square \rightarrow \text{M}$

$140 + 195 = \square \rightarrow \text{S}$

$171 + 130 = \square \rightarrow \text{U}$

$276 + 126 = \square \rightarrow \text{T}$

$242 + 338 = \square \rightarrow \text{F}$

$299 + 253 = \square \rightarrow \text{P}$

$645 + 317 = \square \rightarrow \text{H}$

$140 + 76 = \square \rightarrow \text{I}$

$228 + 319 = \square \rightarrow \text{O}$

$555 + 251 = \square \rightarrow \text{W}$

$332 + 620 = \square \rightarrow \text{N}$

$614 + 312 = \square \rightarrow \text{G}$

Scratch space:

CLUE 3

Subtraction

You calculate how many gold coins were left after buying meat snacks for the raptors.

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

T 250	671	580	345	173	547	547	832	150	T 250	547	632	632	580	797	T 250	547
580	264	T 250	173	264	270	330	580	264	T 250	150	848	264	345	832	150	

$614 - 364 = \square \rightarrow \boxed{\text{T}}$

$294 - 24 = \square \rightarrow \boxed{\text{W}}$

$632 - 52 = \square \rightarrow \boxed{\text{E}}$

$297 - 124 = \square \rightarrow \boxed{\text{R}}$

$1097 - 300 = \square \rightarrow \boxed{\text{D}}$

$550 - 286 = \square \rightarrow \boxed{\text{A}}$

$1177 - 345 = \square \rightarrow \boxed{\text{K}}$

$678 - 7 = \square \rightarrow \boxed{\text{H}}$

$747 - 200 = \square \rightarrow \boxed{\text{O}}$

$469 - 124 = \square \rightarrow \boxed{\text{C}}$

$533 - 203 = \square \rightarrow \boxed{\text{M}}$

$536 - 386 = \square \rightarrow \boxed{\text{S}}$

$992 - 360 = \square \rightarrow \boxed{\text{P}}$

$853 - 5 = \square \rightarrow \boxed{\text{N}}$

Scratch space:

Multiplication facts (1-12)

You count the pirate cleats arranged in equal rows inside the locker room.

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

Diagram illustrating the multiplication table for the numbers 108, 72, 5, 27, 45, 120, 35, 100, 120, 27, 5, 25, 96, 120, 10, 5, 55, 70, 72, 96, 110, 10, 33. The table is structured as follows:

108	72	5	108	27	45	5	120	72	120	96	32	108	35	100	120	108	27	5
27	120	100	25	96	120	10	5	55	108	70	72	96	110	10	33			

$9 \times 12 = \square \rightarrow \mathbf{A}$

$5 \times 9 = \boxed{} \rightarrow \boxed{\text{H}}$

$1 \times 10 = \boxed{} \rightarrow \boxed{\text{N}}$

$8 \times 12 = \boxed{} \rightarrow \boxed{0}$

$10 \times 11 = \boxed{} \rightarrow \boxed{\text{U}}$

$5 \times 5 = \boxed{} \rightarrow \boxed{\text{C}}$

$10 \times 10 = \boxed{} \rightarrow \boxed{\text{I}}$

$7 \times 5 = \square \rightarrow \boxed{\text{P}}$

$8 \times 9 = \boxed{} \rightarrow \boxed{\text{F}}$

$10 \times 7 = \boxed{} \rightarrow \boxed{\text{S}}$

$11 \times 5 = \square \rightarrow \boxed{W}$

$8 \times 4 = \boxed{} \rightarrow \boxed{\mathbf{M}}$

$$5 \times 1 = \boxed{} \rightarrow \boxed{\mathbf{E}}$$

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

$10 \times 12 = \boxed{} \rightarrow \boxed{\text{R}}$

$9 \times 3 = \boxed{} \rightarrow \boxed{\text{T}}$

Scratch space:

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

You split the shiny doubloons equally among the dinosaur pit crews.

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:

$96 \div 12 = \boxed{}$

$50 \div 10 = \boxed{}$

$35 \div 5 = \boxed{}$

$66 \div 6 = \boxed{}$

$36 \div 12 = \boxed{}$

$36 \div 4 = \boxed{}$

$12 \div 6 = \boxed{}$

$110 \div 11 = \boxed{}$

$132 \div 11 = \boxed{}$

$2 \div 2 = \boxed{}$

$72 \div 12 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain dashed past the raptor guards, then adjusted their anchor shin guards.
2. The villain blocked the goal with a stego shield, then blew a loud golden whistle.
3. The villain kicked a dinosaur egg across the pitch, then tracked the getaway route with a compass ball.
4. The villain blocked the goal with a stego shield, then adjusted their anchor shin guards.
5. The villain blocked the goal with a stego shield, then blasted away using cannon boots.
6. The villain tackled the mascot dinosaur, then blew a loud golden whistle.
7. The villain dashed past the raptor guards, then blew a loud golden whistle.
8. The villain kicked a dinosaur egg across the pitch, then adjusted their anchor shin guards.
9. The villain kicked a dinosaur egg across the pitch, then blew a loud golden whistle.
10. The villain dashed past the raptor guards, then scuffed the grass with bone cleats.
11. The villain dashed past the raptor guards, then blasted away using cannon boots.
12. The villain blocked the goal with a stego shield, then scuffed the grass with bone cleats.

Answer Key

The Dino Pirate Cup Heist

Culprit: Pelé

Stego Shield · Anchor Shin Guards · Right Footed · Pirate Tricorne · Raw Meat Snacks

Trail: Start 21 → Clue 1 17 → Clue 2 10 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE VILLAIN DOES NOT USE A COMPASS BALL"

Round 238 to the nearest hundred = 200 (T) · Round 7,973 to the nearest thousand = 8000 (N) · Round 335 to the nearest hundred = 300 (U) · Round 4,745 to the nearest thousand = 5000 (I) · Round 879 to the nearest hundred = 900 (P) · Round 3,573 to the nearest thousand = 4000 (S) · Round 5,730 to the nearest thousand = 6000 (C) · Round 9,071 to the nearest thousand = 9000 (H) · Round 725 to the nearest hundred = 700 (M) · Round 63 to the nearest ten = 60 (L) · Round 2,014 to the nearest thousand = 2000 (B) · Round 72 to the nearest ten = 70 (D) · Round 7,150 to the nearest thousand = 7000 (O) · Round 526 to the nearest hundred = 500 (A) · Round 48 to the nearest ten = 50 (V) · Round 28 to the nearest ten = 30 (E)

Clue 2 (Addition): "RIGHT FOOTPRINTS WERE FOUND IN THE MUD"

$423 + 360 = 783$ (R) · $308 + 382 = 690$ (D) · $306 + 584 = 890$ (E) · $269 + 124 = 393$ (M) · $140 + 195 = 335$ (S) · $171 + 130 = 301$ (U) · $276 + 126 = 402$ (T) · $242 + 338 = 580$ (F) · $299 + 253 = 552$ (P) · $645 + 317 = 962$ (H) · $140 + 76 = 216$ (I) · $228 + 319 = 547$ (O) · $555 + 251 = 806$ (W) · $332 + 620 = 952$ (N) · $614 + 312 = 926$ (G)

Clue 3 (Subtraction): "THE CROOK STOPPED TO EAT RAW MEAT SNACKS"

$614 - 364 = 250$ (T) · $294 - 24 = 270$ (W) · $632 - 52 = 580$ (E) · $297 - 124 = 173$ (R) · $1097 - 300 = 797$ (D) · $550 - 286 = 264$ (A) · $1177 - 345 = 832$ (K) · $678 - 7 = 671$ (H) · $747 - 200 = 547$ (O) · $469 - 124 = 345$ (C) · $533 - 203 = 330$ (M) · $536 - 386 = 150$ (S) · $992 - 360 = 632$ (P) · $853 - 5 = 848$ (N)

Clue 4 (Multiplication facts (1-12)): "A FEATHER FROM A PIRATE TRICORNE WAS FOUND"

$9 \times 12 = 108$ (A) · $5 \times 9 = 45$ (H) · $1 \times 10 = 10$ (N) · $8 \times 12 = 96$ (O) · $10 \times 11 = 110$ (U) · $5 \times 5 = 25$ (C) · $10 \times 10 = 100$ (I) · $7 \times 5 = 35$ (P) · $8 \times 9 = 72$ (F) · $10 \times 7 = 70$ (S) · $11 \times 5 = 55$ (W) · $8 \times 4 = 32$ (M) · $5 \times 1 = 5$ (E) · $11 \times 3 = 33$ (D) · $10 \times 12 = 120$ (R) · $9 \times 3 = 27$ (T)

Clue 5 (Division facts (1-12)): surviving statement is box 4 → Pelé

$96 \div 12 = 8$ · $50 \div 10 = 5$ · $35 \div 5 = 7$ · $66 \div 6 = 11$ · $36 \div 12 = 3$ · $36 \div 4 = 9$ · $12 \div 6 = 2$ · $110 \div 11 = 10$ · $132 \div 11 = 12$ · $2 \div 2 = 1$ · $72 \div 12 = 6$