



The Great Animal World Cup Heist

Grade 5 math · Multiplication, Fractions of a number, Order of operations, Rounding, Division · Reading level grades 5-6

Detective: _____ **Date:** _____

During the championship match at Jungle Arena, someone snuck into the display case and stole the Golden Paw Trophy! Examine the evidence left around the pitch to identify 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 Trophy Thief is _____

Possible suspects

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

NAME	ANIMAL MASCOT	SOCCER CLEATS	DOMINANT FOOT	HAIRSTYLE	POST MATCH SNACK
Harry Kane	Cheetah Mascot	Fire Kicks	Right Footed	Braided Hair	Cold Juice Boxes
Luka Modric	Falcon Mascot	Fire Kicks	Right Footed	Striped Band	Sweet Orange Slices
Jude Bellingham	Falcon Mascot	Silver Turf Shoes	Right Footed	Spiky Cut	Cold Juice Boxes
Marcus Rashford	Bear Mascot	Fire Kicks	Left Footed	Braided Hair	Sweet Orange Slices
Sergio Busquets	Cheetah Mascot	Fire Kicks	Left Footed	Spiky Cut	Cold Juice Boxes
Kylian Mbappe	Turtle Mascot	Neon Spikes	Right Footed	Striped Band	Salty Pretzels
Neymar Jr	Bear Mascot	Fire Kicks	Left Footed	Striped Band	Sweet Orange Slices
Federico Valverde	Bear Mascot	Winged Boots	Right Footed	Striped Band	Salty Pretzels
Achraf Hakimi	Bear Mascot	Neon Spikes	Right Footed	Striped Band	Cold Juice Boxes
Virgil van Dijk	Dolphin Mascot	Neon Spikes	Right Footed	Striped Band	Cold Juice Boxes
Jamal Musiala	Bear Mascot	Neon Spikes	Right Footed	Striped Band	Salty Pretzels
Bukayo Saka	Turtle Mascot	Fire Kicks	Right Footed	Striped Band	Salty Pretzels
Lionel Messi	Dolphin Mascot	Silver Turf Shoes	Right Footed	Spiky Cut	Cold Juice Boxes
Alisson Becker	Falcon Mascot	Neon Spikes	Left Footed	Braided Hair	Salty Pretzels
Kevin De Bruyne	Falcon Mascot	Fire Kicks	Left Footed	Striped Band	Salty Pretzels
Mohamed Salah	Falcon Mascot	Winged Boots	Left Footed	Spiky Cut	Sweet Orange Slices
Vinicius Jr	Cheetah Mascot	Neon Spikes	Right Footed	Braided Hair	Cold Juice Boxes
Cristiano Ronaldo	Bear Mascot	Silver Turf Shoes	Left Footed	Spiky Cut	Salty Pretzels
Erling Haaland	Cheetah Mascot	Neon Spikes	Right Footed	Braided Hair	Sweet Orange Slices
Antoine Griezmann	Bear Mascot	Golden Cleats	Right Footed	Braided Hair	Salty Pretzels
Pedri Gonzalez	Bear Mascot	Fire Kicks	Right Footed	Striped Band	Salty Pretzels

Multiplication facts (1-12)

The stadium gear manager counts equal stacks of practice cones scattered near the trophy vault.

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

8 121 110 44 33 110 16 12 7 44 77 44 22 110 99 8 42 64 110 44

33 64 8 14 110 16 48 14 36 33 56 110 42 32 64 64 8 44

$1 \times 8 = \boxed{} \rightarrow \boxed{\text{T}}$

$$8 \times 6 = \boxed{} \rightarrow \boxed{\text{R}}$$

$12 \times 3 = \boxed{} \rightarrow \boxed{1}$

$11 \times 3 = \square \rightarrow \boxed{\mathbf{N}}$

$7 \times 8 = \boxed{} \rightarrow \boxed{\mathbf{G}}$

$4 \times 4 = \boxed{} \rightarrow \boxed{\mathbf{A}}$

$11 \times 2 = \square \rightarrow \boxed{\mathbf{P}}$

$11 \times 9 =$ $\rightarrow$ **C**

$11 \times 4 = \square \rightarrow \mathbf{S}$

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

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

$7 \times 6 =$ $\rightarrow$ **D**

$2 \times 7 = \square \rightarrow \boxed{\mathbf{W}}$

$1 \times 7 = \square \rightarrow \boxed{\text{Y}}$

$11 \times 7 = \boxed{} \rightarrow \boxed{\text{U}}$

$6 \times 2 = \boxed{} \rightarrow \boxed{\text{K}}$

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

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

Scratch space:

Fractions of a number

The assistant coach analyzes what fraction of the stadium energy bars were taken from the bench.

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

Diagram showing two rows of boxes with numbers and letters. The first row has 16 boxes, with the first box containing 'F' and the others containing numbers: 16, 10, 10, 32, 33, 34, 11, 24, 32, 20, 33, 34, 10, 25, 30, 32, 8, 30. The second row has 16 boxes, with the 5th box containing 'F' and the others containing numbers: 32, 8, 11, 30, 16, 11, 20, 34, 11, 4, 8, 32, 16, 10, 10, 32, 30, 37.

4/6 of 24 = → **F**

4/10 of 75 = → **E**

$3/6$ of $64 = \boxed{} \rightarrow \boxed{\text{T}}$

$2/6$ of 12 = $\rightarrow$ **G**

$$\frac{1}{4} \text{ of } 80 = \boxed{} \rightarrow \boxed{\text{S}}$$

8/10 of 10 = → **H**

$5/8$ of 40 = $\rightarrow$ **V**

2/10 of 120 = → **N**

$2/3$ of 15 = $\rightarrow$ **0**

$\frac{1}{3}$ of 111 = $\rightarrow$ **D**

$$\frac{1}{6} \text{ of } 66 = \boxed{} \rightarrow \boxed{\text{I}}$$

$$2/6 \text{ of } 102 = \boxed{} \rightarrow \boxed{\text{R}}$$

$$2/4 \text{ of } 66 = \boxed{} \rightarrow \boxed{\text{P}}$$

Scratch space:

CLUE 3

Order of operations

The lead scout solves a complex play diagram equation written on the locker room whiteboard.

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

T																		
14	65	57	23	76	49	49	45	76	58	19	70	63	44	44	57	19		
			T					T							T			
29	45	49	14	72	44	70	57	14	39	57	49	29	63	58	14	9	70	47

$8 + 3 \times 2 = \square \rightarrow \boxed{\text{T}}$

$6 \times 10 - 11 = \square \rightarrow \boxed{\text{L}}$

$10 \times 10 - 24 = \square \rightarrow \boxed{\text{I}}$

$5 \times 9 - 26 = \square \rightarrow \boxed{\text{D}}$

$42 + 5 \times 3 = \square \rightarrow \boxed{\text{E}}$

$10 \times 6 - 21 = \square \rightarrow \boxed{\text{Z}}$

$9 \times 6 - 25 = \square \rightarrow \boxed{\text{S}}$

$18 + 9 \times 5 = \square \rightarrow \boxed{\text{O}}$

$6 \times 3 - 9 = \square \rightarrow \boxed{\text{U}}$

$24 + 6 \times 8 = \square \rightarrow \boxed{\text{Y}}$

$6 \times 12 - 25 = \square \rightarrow \boxed{\text{F}}$

$9 + 7 \times 2 = \square \rightarrow \boxed{\text{V}}$

$46 + 2 \times 6 = \square \rightarrow \boxed{\text{N}}$

$47 + 9 \times 2 = \square \rightarrow \boxed{\text{H}}$

$4 \times 12 - 4 = \square \rightarrow \boxed{\text{P}}$

$58 + 3 \times 4 = \square \rightarrow \boxed{\text{R}}$

$13 + 8 \times 4 = \square \rightarrow \boxed{\text{A}}$

Scratch space:

CLUE 4 Rounding

The referee checks the electronic scoreboard clock that rounds match times to the nearest ten.

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

A									A				A	
1300	110	90	300	3000	430	2000	5000	500	1300	30	5000	9000	1300	110
												A		
900	230	3700	30	5000	230	30	90	70	2000	110	90	1300	30	5000

Round 1,297 to the nearest hundred → **A**

Round 430 to the nearest ten → **P**

Round 484 to the nearest hundred → **B**

Round 74 to the nearest ten → **H**

Round 91 to the nearest ten → **T**

Round 2,151 to the nearest thousand → **E**

Round 3,441 to the nearest thousand → **I**

Round 114 to the nearest ten → **S**

Round 3,651 to the nearest hundred → **U**

Round 32 to the nearest ten → **N**

Round 8,826 to the nearest thousand → **W**

Round 5,182 to the nearest thousand → **D**

Round 906 to the nearest hundred → **F**

Round 257 to the nearest hundred → **R**

Round 228 to the nearest ten → **O**

Scratch space:

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

The tournament official divides the leftover training bibs equally among the security squads.

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:

$70 \div 10 = \boxed{}$

$30 \div 3 = \boxed{}$

$81 \div 9 = \boxed{}$

$20 \div 5 = \boxed{}$

$12 \div 12 = \boxed{}$

$24 \div 8 = \boxed{}$

$96 \div 12 = \boxed{}$

$16 \div 8 = \boxed{}$

$55 \div 5 = \boxed{}$

$144 \div 12 = \boxed{}$

$55 \div 11 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain high fives the bear mascot, then sprints away in golden cleats.
2. The villain cheers with the dolphin mascot, then sprints away in golden cleats.
3. The villain signals the cheetah mascot, then leaps over the wall in winged boots.
4. The villain high fives the bear mascot, then leaps over the wall in winged boots.
5. The villain high fives the bear mascot, then slides across the field in silver turf shoes.
6. The villain high fives the bear mascot, then dashes out the tunnel in fire kicks.
7. The villain high fives the bear mascot, then dribbles past security in neon spikes.
8. The villain signals the cheetah mascot, then slides across the field in silver turf shoes.
9. The villain whistles for the turtle mascot, then dashes out the tunnel in fire kicks.
10. The villain whistles for the turtle mascot, then dribbles past security in neon spikes.
11. The villain whistles for the turtle mascot, then leaps over the wall in winged boots.
12. The villain cheers with the dolphin mascot, then slides across the field in silver turf shoes.

Answer Key

The Great Animal World Cup Heist

Culprit: Pedri Gonzalez

Bear Mascot · Fire Kicks · Right Footed · Striped Band · Salty Pretzels

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

Clue 1 (Multiplication facts (1-12)): "THE SNEAKY SUSPECT DOES NOT WEAR WINGED BOOTS"

$1 \times 8 = 8$ (T) · $8 \times 6 = 48$ (R) · $12 \times 3 = 36$ (I) · $11 \times 3 = 33$ (N) · $7 \times 8 = 56$ (G) · $4 \times 4 = 16$ (A) · $11 \times 2 = 22$ (P) · $11 \times 9 = 99$ (C) · $11 \times 4 = 44$ (S) · $11 \times 10 = 110$ (E) · $11 \times 11 = 121$ (H) · $7 \times 6 = 42$ (D) · $2 \times 7 = 14$ (W) · $1 \times 7 = 7$ (Y) · $11 \times 7 = 77$ (U) · $6 \times 2 = 12$ (K) · $8 \times 4 = 32$ (B) · $8 \times 8 = 64$ (O)

Clue 2 (Fractions of a number): "FOOTPRINTS PROVE THE THIEF IS RIGHT FOOTED"

$4/6$ of 24 = 16 (F) · $4/10$ of 75 = 30 (E) · $3/6$ of 64 = 32 (T) · $2/6$ of 12 = 4 (G) · $1/4$ of 80 = 20 (S) · $8/10$ of 10 = 8 (H) · $5/8$ of 40 = 25 (V) · $2/10$ of 120 = 24 (N) · $2/3$ of 15 = 10 (O) · $1/3$ of 111 = 37 (D) · $1/6$ of 66 = 11 (I) · $2/6$ of 102 = 34 (R) · $2/4$ of 66 = 33 (P)

Clue 3 (Order of operations): "THE VILLAIN DROPPED SALTY PRETZELS ON TURF"

$8 + 3 \times 2 = 14$ (T) · $6 \times 10 - 11 = 49$ (L) · $10 \times 10 - 24 = 76$ (I) · $5 \times 9 - 26 = 19$ (D) · $42 + 5 \times 3 = 57$ (E) · $10 \times 6 - 21 = 39$ (Z) · $9 \times 6 - 25 = 29$ (S) · $18 + 9 \times 5 = 63$ (O) · $6 \times 3 - 9 = 9$ (U) · $24 + 6 \times 8 = 72$ (Y) · $6 \times 12 - 25 = 47$ (F) · $9 + 7 \times 2 = 23$ (V) · $46 + 2 \times 6 = 58$ (N) · $47 + 9 \times 2 = 65$ (H) · $4 \times 12 - 4 = 44$ (P) · $58 + 3 \times 4 = 70$ (R) · $13 + 8 \times 4 = 45$ (A)

Clue 4 (Rounding): "A STRIPED BAND WAS FOUND ON THE STAND"

Round 1,297 to the nearest hundred = 1300 (A) · Round 430 to the nearest ten = 430 (P) · Round 484 to the nearest hundred = 500 (B) · Round 74 to the nearest ten = 70 (H) · Round 91 to the nearest ten = 90 (T) · Round 2,151 to the nearest thousand = 2000 (E) · Round 3,441 to the nearest thousand = 3000 (I) · Round 114 to the nearest ten = 110 (S) · Round 3,651 to the nearest hundred = 3700 (U) · Round 32 to the nearest ten = 30 (N) · Round 8,826 to the nearest thousand = 9000 (W) · Round 5,182 to the nearest thousand = 5000 (D) · Round 906 to the nearest hundred = 900 (F) · Round 257 to the nearest hundred = 300 (R) · Round 228 to the nearest ten = 230 (O)

Clue 5 (Division facts (1-12)): surviving statement is box 6 → Pedri Gonzalez

$70 \div 10 = 7$ · $30 \div 3 = 10$ · $81 \div 9 = 9$ · $20 \div 5 = 4$ · $12 \div 12 = 1$ · $24 \div 8 = 3$ · $96 \div 12 = 8$ · $16 \div 8 = 2$ · $55 \div 5 = 11$ · $144 \div 12 = 12$ · $55 \div 11 = 5$