



The Animal World Cup Trophy Caper

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

Detective: _____ **Date:** _____

The Golden Paw Trophy has disappeared right before the Animal World Cup Final! Head Referee Elephant saw a fuzzy silhouette sprint off into the locker tunnels with the cup. Solve the math clues to identify the culprit before the opening whistle.

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	SIGNATURE MOVE	SECRET GEAR	DOMINANT FOOT	FUR TYPE	DISTRACTION
Alisson Be-bear	Speed Boost	Net Cutter	Right-footed	Golden Mane	Squeaky Toys
Bukayo Sa-koala	Curved Shot	Net Cutter	Left-footed	Spiky Fur	Catnip Sprays
Neymar Jr Bark	Goal Wall	Shadow Cleats	Left-footed	Golden Mane	Catnip Sprays
Thibaut Cour-toad	Mega Kick	Shadow Cleats	Right-footed	Striped Coat	Catnip Sprays
Antoine Griez-mane	Mega Kick	Net Cutter	Left-footed	Spiky Fur	Catnip Sprays
Harry Crane	Curved Shot	Shadow Cleats	Right-footed	Spiky Fur	Catnip Sprays
Bruno Fer-panda	Curved Shot	Shadow Cleats	Right-footed	Spiky Fur	Squeaky Toys
Marta Fox	Goal Wall	Smoke Bomb	Right-footed	Spiky Fur	Bright Lasers
Son Heung-Moo	Goal Wall	Whistle Jammer	Right-footed	Golden Mane	Squeaky Toys
Pedri Penguin	Goal Wall	Turbo Socks	Left-footed	Striped Coat	Catnip Sprays
Kylian M-paw-ppe	Super Tackle	Shadow Cleats	Left-footed	Striped Coat	Squeaky Toys
Cristiano Ro-mew-do	Mega Kick	Turbo Socks	Left-footed	Spiky Fur	Bright Lasers
Mohamed Sa-llama	Speed Boost	Whistle Jammer	Left-footed	Golden Mane	Squeaky Toys
Luka Mod-fin	Super Tackle	Turbo Socks	Left-footed	Golden Mane	Squeaky Toys
Jude Bel-ling-hamster	Mega Kick	Turbo Socks	Left-footed	Spiky Fur	Catnip Sprays
Wendie Re-narwhal	Goal Wall	Smoke Bomb	Left-footed	Spiky Fur	Catnip Sprays
Alex Mor-swan	Goal Wall	Whistle Jammer	Right-footed	Striped Coat	Bright Lasers
Erling Haal-owl	Curved Shot	Shadow Cleats	Left-footed	Spiky Fur	Catnip Sprays
Megan Ra-pinoe-puffin	Mega Kick	Whistle Jammer	Left-footed	Spiky Fur	Bright Lasers
Sam Kerr-ot	Speed Boost	Smoke Bomb	Right-footed	Golden Mane	Catnip Sprays
Lionel Messi-mew	Mega Kick	Turbo Socks	Left-footed	Spiky Fur	Squeaky Toys

Multiplication facts (1-12)

Coach Cheetah needs to count the total soccer balls packed into several equal equipment crates before kickoff.

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

Diagram illustrating the arrangement of boxes and numbers:

Top row (16 boxes):

- Box 1: T
- Box 2: 132
- Box 3: 48
- Box 4: 25
- Box 5: 72
- Box 6: 1
- Box 7: 72
- Box 8: 6
- Box 9: 25
- Box 10: 11
- Box 11: T
- Box 12: 132
- Box 13: 64
- Box 14: 100
- Box 15: 25
- Box 16: 72

Bottom row (10 boxes):

- Box 1: 1
- Box 2: 72
- Box 3: 25
- Box 4: 72
- Box 5: 60
- Box 6: 100
- Box 7: 3
- Box 8: 25
- Box 9: 45
- Box 10: 100

$12 \times 11 = \square \rightarrow \boxed{\mathbf{T}}$

$1 \times 1 = \square \rightarrow \mathbf{U}$

$1 \times 6 = \square \rightarrow \mathbf{P}$

$8 \times 8 = \boxed{} \rightarrow \boxed{\mathbf{D}}$

$1 \times 3 = \boxed{} \rightarrow \boxed{\text{K}}$

$$10 \times 10 = \boxed{} \rightarrow \boxed{0}$$

$$3 \times 6 = \boxed{} \rightarrow \boxed{\mathbf{N}}$$

$11 \times 1 = \square \rightarrow \boxed{\text{C}}$

$4 \times 12 = \boxed{} \rightarrow \boxed{\text{H}}$

$5 \times 5 =$ $\rightarrow$ **E**

$5 \times 9 = \square \rightarrow \mathbf{B}$

$12 \times 5 = \boxed{} \rightarrow \boxed{\mathbf{M}}$

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

Scratch space:

CLUE 2
Fractions of a number

The mascot checks what fraction of the stadium lights are powered on for the championship match.

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

F																	F	
18	25	25	29	21	30	35	8	29	10	10	27	25	28	36	37	14	18	29

F											
18	25	25	29	14	39	3	35	40	3	14	30

$3/8 \text{ of } 48 = \square \rightarrow \text{F}$

$2/4 \text{ of } 70 = \square \rightarrow \text{I}$

$3/6 \text{ of } 6 = \square \rightarrow \text{K}$

$1/5 \text{ of } 50 = \square \rightarrow \text{S}$

$1/10 \text{ of } 80 = \square \rightarrow \text{N}$

$3/6 \text{ of } 50 = \square \rightarrow \text{O}$

$1/5 \text{ of } 150 = \square \rightarrow \text{R}$

$1/4 \text{ of } 84 = \square \rightarrow \text{P}$

$5/8 \text{ of } 64 = \square \rightarrow \text{C}$

$2/6 \text{ of } 87 = \square \rightarrow \text{T}$

$4/6 \text{ of } 42 = \square \rightarrow \text{W}$

$5/10 \text{ of } 78 = \square \rightarrow \text{D}$

$1/3 \text{ of } 81 = \square \rightarrow \text{H}$

$1/2 \text{ of } 74 = \square \rightarrow \text{L}$

$2/3 \text{ of } 54 = \square \rightarrow \text{A}$

$5/10 \text{ of } 28 = \square \rightarrow \text{E}$

Scratch space:

CLUE 3
Order of operations

The referee calculates the total team penalty points by solving a multi step scoreboard formula.

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

T																	
38	11	65	68	46	65	80	25	33	80	68	68	38	60	7	7	65	72

				T											
15	13	18	80	38	46	51	7	68	7	32	80	13	68		

$14 + 6 \times 4 = \square \rightarrow \boxed{\text{T}}$

$53 + 9 \times 3 = \square \rightarrow \boxed{\text{A}}$

$4 \times 7 - 15 = \square \rightarrow \boxed{\text{Y}}$

$11 + 5 \times 8 = \square \rightarrow \boxed{\text{I}}$

$5 \times 7 - 28 = \square \rightarrow \boxed{\text{P}}$

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

$9 \times 10 - 18 = \square \rightarrow \boxed{\text{D}}$

$16 + 2 \times 8 = \square \rightarrow \boxed{\text{R}}$

$13 + 4 \times 3 = \square \rightarrow \boxed{\text{K}}$

$6 \times 12 - 4 = \square \rightarrow \boxed{\text{S}}$

$8 \times 6 - 2 = \square \rightarrow \boxed{\text{N}}$

$9 + 7 \times 8 = \square \rightarrow \boxed{\text{E}}$

$12 \times 2 - 13 = \square \rightarrow \boxed{\text{H}}$

$6 \times 5 - 15 = \square \rightarrow \boxed{\text{B}}$

$9 + 3 \times 8 = \square \rightarrow \boxed{\text{W}}$

$9 \times 9 - 21 = \square \rightarrow \boxed{\text{O}}$

Scratch space:

CLUE 4
Rounding

The digital stadium board shows attendance figures that are rounded to the nearest thousand.

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

S									S							S				
900	1300	230	5000	2300	170	130	430	900	300	430	3000	90	4300	900	110	200	430	200		

370	90	300	20	200	300	430	370	1300	20	2300	

Round 876 to the nearest hundred → **S**

Round 172 to the nearest ten → **F**

Round 182 to the nearest hundred → **E**

Round 4,275 to the nearest hundred → **D**

Round 280 to the nearest hundred → **T**

Round 24 to the nearest ten → **H**

Round 230 to the nearest ten → **I**

Round 1,299 to the nearest hundred → **P**

Round 132 to the nearest ten → **U**

Round 2,334 to the nearest hundred → **Y**

Round 3,443 to the nearest thousand → **A**

Round 374 to the nearest ten → **O**

Round 111 to the nearest ten → **W**

Round 88 to the nearest ten → **N**

Round 4,602 to the nearest thousand → **K**

Round 426 to the nearest ten → **R**

Scratch space:

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

The team manager splits energy drinks evenly among all the starting players in the locker room.

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:

$18 \div 2 = \boxed{}$

$36 \div 6 = \boxed{}$

$2 \div 2 = \boxed{}$

$4 \div 2 = \boxed{}$

$6 \div 2 = \boxed{}$

$48 \div 6 = \boxed{}$

$16 \div 4 = \boxed{}$

$110 \div 11 = \boxed{}$

$25 \div 5 = \boxed{}$

$88 \div 8 = \boxed{}$

$21 \div 3 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain fired a curved shot, then snapped a net cutter.
2. The villain triggered a speed boost, then slipped into shadow cleats.
3. The villain executed a super tackle, then snapped a net cutter.
4. The villain executed a super tackle, then dropped a smoke bomb.
5. The villain built a goal wall, then snapped a net cutter.
6. The villain fired a curved shot, then slipped into shadow cleats.
7. The villain unleashed a mega kick, then slipped into shadow cleats.
8. The villain triggered a speed boost, then activated a whistle jammer.
9. The villain unleashed a mega kick, then snapped a net cutter.
10. The villain unleashed a mega kick, then activated a whistle jammer.
11. The villain built a goal wall, then dropped a smoke bomb.
12. The villain unleashed a mega kick, then laced up turbo socks.

Answer Key

The Animal World Cup Trophy Caper

Culprit: Jude Bel-ling-hamster

Mega Kick · Turbo Socks · Left-footed · Spiky Fur · Catnip Sprays

Trail: Start 21 → Clue 1 18 → Clue 2 12 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE SUSPECT DOES NOT USE SMOKE BOMBS"

$12 \times 11 = 132$ (T) · $1 \times 1 = 1$ (U) · $1 \times 6 = 6$ (P) · $8 \times 8 = 64$ (D) · $1 \times 3 = 3$ (K) · $10 \times 10 = 100$ (O) · $3 \times 6 = 18$ (N) · $11 \times 1 = 11$ (C) · $4 \times 12 = 48$ (H) · $5 \times 5 = 25$ (E) · $5 \times 9 = 45$ (B) · $12 \times 5 = 60$ (M) · $8 \times 9 = 72$ (S)

Clue 2 (Fractions of a number): "FOOTPRINTS SHOW A LEFT FOOTED KICKER"

$\frac{3}{8}$ of 48 = 18 (F) · $\frac{2}{4}$ of 70 = 35 (I) · $\frac{3}{6}$ of 6 = 3 (K) · $\frac{1}{5}$ of 50 = 10 (S) · $\frac{1}{10}$ of 80 = 8 (N) · $\frac{3}{6}$ of 50 = 25 (O) · $\frac{1}{5}$ of 150 = 30 (R) · $\frac{1}{4}$ of 84 = 21 (P) · $\frac{5}{8}$ of 64 = 40 (C) · $\frac{2}{6}$ of 87 = 29 (T) · $\frac{4}{6}$ of 42 = 28 (W) · $\frac{5}{10}$ of 78 = 39 (D) · $\frac{1}{3}$ of 81 = 27 (H) · $\frac{1}{2}$ of 74 = 37 (L) · $\frac{2}{3}$ of 54 = 36 (A) · $\frac{5}{10}$ of 28 = 14 (E)

Clue 3 (Order of operations): "THE SNEAK WAS STOPPED BY CATNIP SPRAYS"

$14 + 6 \times 4 = 38$ (T) · $53 + 9 \times 3 = 80$ (A) · $4 \times 7 - 15 = 13$ (Y) · $11 + 5 \times 8 = 51$ (I) · $5 \times 7 - 28 = 7$ (P) · $2 + 2 \times 8 = 18$ (C) · $9 \times 10 - 18 = 72$ (D) · $16 + 2 \times 8 = 32$ (R) · $13 + 4 \times 3 = 25$ (K) · $6 \times 12 - 4 = 68$ (S) · $8 \times 6 - 2 = 46$ (N) · $9 + 7 \times 8 = 65$ (E) · $12 \times 2 - 13 = 11$ (H) · $6 \times 5 - 15 = 15$ (B) · $9 + 3 \times 8 = 33$ (W) · $9 \times 9 - 21 = 60$ (O)

Clue 4 (Rounding): "SPIKY FUR STRANDS WERE ON THE TROPHY"

Round 876 to the nearest hundred = 900 (S) · Round 172 to the nearest ten = 170 (F) · Round 182 to the nearest hundred = 200 (E) · Round 4,275 to the nearest hundred = 4300 (D) · Round 280 to the nearest hundred = 300 (T) · Round 24 to the nearest ten = 20 (H) · Round 230 to the nearest ten = 230 (I) · Round 1,299 to the nearest hundred = 1300 (P) · Round 132 to the nearest ten = 130 (U) · Round 2,334 to the nearest hundred = 2300 (Y) · Round 3,443 to the nearest thousand = 3000 (A) · Round 374 to the nearest ten = 370 (O) · Round 111 to the nearest ten = 110 (W) · Round 88 to the nearest ten = 90 (N) · Round 4,602 to the nearest thousand = 5000 (K) · Round 426 to the nearest ten = 430 (R)

Clue 5 (Division facts (1-12)): surviving statement is box 12 → Jude Bel-ling-hamster

$18 \div 2 = 9$ · $36 \div 6 = 6$ · $2 \div 2 = 1$ · $4 \div 2 = 2$ · $6 \div 2 = 3$ · $48 \div 6 = 8$ · $16 \div 4 = 4$ · $110 \div 11 = 10$ · $25 \div 5 = 5$ · $88 \div 8 = 11$ · $21 \div 3 = 7$