



The Championship Trophy Caper

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

Detective: _____ Date: _____

The Golden Championship Trophy has disappeared from the stadium locker room right before the big final! A mysterious rival player snuck past security, swiped the trophy, and left a trail of soccer gear behind. It is up to you and the team to examine the clues, solve the math puzzles, and catch the thief before kickoff!

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 rogue player 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	SPECIAL GEAR	PREFERRED FOOT	HAIR STYLE	MAIN WEAKNESS
Virgil van Dijk	rapid dribble	neon shin guards	left-footed kick	shaved buzzcut	muddy field
Mohamed Salah	bicycle kick	neon shin guards	right-footed kick	shaved buzzcut	loud whistles
Neymar Jr	curving free kick	golden boots	right-footed kick	shaved buzzcut	muddy field
Antoine Griezmann	bicycle kick	neon shin guards	right-footed kick	neon green spikes	loud whistles
Bukayo Saka	curving free kick	lucky headband	right-footed kick	shaved buzzcut	muddy field
Robert Lewandowski	super header	golden boots	left-footed kick	headband ponytail	bright stadium lights
Kylian Mbappe	rapid dribble	grip gloves	left-footed kick	shaved buzzcut	muddy field
Luka Modric	diving save	golden boots	right-footed kick	shaved buzzcut	muddy field
Marta Vieira	curving free kick	grip gloves	left-footed kick	shaved buzzcut	bright stadium lights
Jack Grealish	rapid dribble	lucky headband	left-footed kick	shaved buzzcut	bright stadium lights
Erling Haaland	rapid dribble	lucky headband	right-footed kick	shaved buzzcut	muddy field
Son Heungmin	diving save	neon shin guards	right-footed kick	shaved buzzcut	loud whistles
Bruno Fernandes	bicycle kick	lucky headband	left-footed kick	shaved buzzcut	bright stadium lights
Lionel Messi	diving save	grip gloves	left-footed kick	neon green spikes	bright stadium lights
Sam Kerr	bicycle kick	golden boots	left-footed kick	neon green spikes	muddy field
Alex Morgan	super header	neon shin guards	left-footed kick	neon green spikes	bright stadium lights
Megan Rapinoe	super header	smart tracker	right-footed kick	shaved buzzcut	muddy field
Cristiano Ronaldo	diving save	grip gloves	left-footed kick	shaved buzzcut	loud whistles
Kevin De Bruyne	rapid dribble	grip gloves	right-footed kick	shaved buzzcut	muddy field
Phil Foden	curving free kick	grip gloves	right-footed kick	headband ponytail	muddy field
Marcus Rashford	diving save	neon shin guards	left-footed kick	shaved buzzcut	muddy field

CLUE 1

The stadium radar screen got fuzzy and only showed rounded speeds of the mystery kicker's shots. Round the numbers to crack the first clue.

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

A number line from 0 to 10,000. The line is marked with the following numbers in boxes: 300, 7000, 230, 430, 3000, 290, 290, 9000, 3000, 1700, 90, 20, 230, 500, 1700, 20, 300, 200, 230, 9000, 170, 9000, 290, 2000, 4300, 30, 50, 7000, 230, 9000, 90, 700, 9000, 1700, 90. The number 300 is highlighted in orange and labeled with a 'T'.

Round 332 to the nearest hundred $\rightarrow$ **T**

Round 1,744 to the nearest hundred → **N**

Round 8,882 to the nearest thousand → **A**

Round 174 to the nearest ten $\rightarrow$ **R**

Round 4,256 to the nearest hundred → **C**

Round 718 to the nearest hundred → **B**

Round 30 to the nearest ten $\rightarrow$ **K**

Round 24 to the nearest ten $\rightarrow$

Round 2,784 to the nearest thousand $\rightarrow$

Round 228 to the nearest ten $\rightarrow$ **E**

Round 433 to the nearest ten $\rightarrow$ **V**

Round 294 to the nearest ten $\rightarrow$ **L**

Round 208 to the nearest hundred $\rightarrow$ **W**

Round 483 to the nearest hundred $\rightarrow$ **S**

Round 1,868 to the nearest thousand → **U**

Round 46 to the nearest ten $\rightarrow$ **Y**

Round 6,785 to the nearest thousand → **H**

Round 90 to the nearest ten → **D**

Scratch space:

CLUE 2 Addition

To find where the suspect ran, we must add up all the orange cones scattered across the training pitch.

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

T																			
4189	4279	5918	3966	4692	2481	4577	5918	8440	7703	2239	8787	6843	2876	5918	4866	2707	7703		
				T				T											
4692	2481	9144	4279	4189	3689	6843	6843	4189	5918	8787	2063	6429	7703	2707	5918	4692			

$1804 + 2385 = \square \rightarrow \text{**T**}$

$1878 + 2401 = \square \rightarrow \text{**H**}$

$1440 + 1436 = \square \rightarrow \text{**N**}$

$4006 + 2837 = \square \rightarrow \text{**O**}$

$2547 + 2030 = \square \rightarrow \text{**M**}$

$2513 + 2179 = \square \rightarrow \text{**R**}$

$1464 + 775 = \square \rightarrow \text{**S**}$

$709 + 1354 = \square \rightarrow \text{**P**}$

$2855 + 5585 = \square \rightarrow \text{**W**}$

$3873 + 4914 = \square \rightarrow \text{**D**}$

$2057 + 2809 = \square \rightarrow \text{**B**}$

$1266 + 1215 = \square \rightarrow \text{**I**}$

$1230 + 1477 = \square \rightarrow \text{**Y**}$

$4091 + 1827 = \square \rightarrow \text{**E**}$

$5215 + 2488 = \square \rightarrow \text{**A**}$

$3597 + 2832 = \square \rightarrow \text{**L**}$

$5668 + 3476 = \square \rightarrow \text{**G**}$

$2573 + 1116 = \square \rightarrow \text{**F**}$

$1424 + 2542 = \square \rightarrow \text{**C**}$

Scratch space:

CLUE 3
Subtraction

The goalie noticed some match balls were missing from the gear locker. Subtract the stolen balls to find the next lead.

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

T																			
4390	6464	4673	1436	1126	4673	5763	3753	5373	2756	6645	5763	5373	4673	7361	1436	6645	4070	2756	1436
8445	1126	5763	3246	4861	8257	8257	5373	6611	4070	4673	6645	8257							

$9139 - 4749 = \square \rightarrow \boxed{\text{T}}$

$2241 - 805 = \square \rightarrow \boxed{\text{S}}$

$4805 - 132 = \square \rightarrow \boxed{\text{E}}$

$6037 - 4911 = \square \rightarrow \boxed{\text{N}}$

$9595 - 1338 = \square \rightarrow \boxed{\text{D}}$

$9403 - 4030 = \square \rightarrow \boxed{\text{Y}}$

$10426 - 3781 = \square \rightarrow \boxed{\text{L}}$

$9197 - 4336 = \square \rightarrow \boxed{\text{U}}$

$6942 - 1179 = \square \rightarrow \boxed{\text{A}}$

$6763 - 299 = \square \rightarrow \boxed{\text{H}}$

$6031 - 2785 = \square \rightarrow \boxed{\text{M}}$

$9005 - 1644 = \square \rightarrow \boxed{\text{R}}$

$7398 - 4642 = \square \rightarrow \boxed{\text{P}}$

$5847 - 1777 = \square \rightarrow \boxed{\text{I}}$

$4257 - 504 = \square \rightarrow \boxed{\text{K}}$

$9128 - 2517 = \square \rightarrow \boxed{\text{F}}$

$9178 - 733 = \square \rightarrow \boxed{\text{O}}$

Scratch space:

Multiplication facts (1-12)

The team bus parked outside has rows of seats. Multiply the rows by the seats in each row to count the soccer squad.

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

A 2x12 grid of boxes. The top row contains the letter 'W' in the first box, followed by empty boxes with numbers 60, 50, 64, 110, 56, 42, 18, 9, 15, 18, 99, 60, and 42. The bottom row contains empty boxes with numbers 90, 110, 5, 5, 63, 110, 144, 15, 18, 24, 44, 64, 56, 144, 110, 44, and 50.

$5 \times 4 = \boxed{} \rightarrow \boxed{\mathbf{W}}$

$$3 \times 5 = \boxed{} \rightarrow \boxed{\text{H}}$$

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

$$7 \times 6 = \boxed{} \rightarrow \boxed{\text{D}}$$

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

$$11 \times 9 = \boxed{} \rightarrow \boxed{\mathbf{V}}$$

$9 \times 7 = \square \rightarrow \boxed{\text{C}}$

$11 \times 4 = \boxed{} \rightarrow \boxed{\text{R}}$

$$1 \times 9 = \boxed{} \rightarrow \boxed{\mathbf{S}}$$

$$12 \times 2 = \boxed{} \rightarrow \boxed{\text{I}}$$

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

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

$$8 \times 7 = \boxed{} \rightarrow \boxed{\text{N}}$$

$2 \times 9 = \square \rightarrow \boxed{\mathbf{A}}$

$10 \times 5 = \boxed{} \rightarrow \boxed{\text{F}}$

$$12 \times 12 = \boxed{} \rightarrow \boxed{\text{T}}$$

$9 \times 10 = \boxed{} \rightarrow \boxed{\mathbf{B}}$

Scratch space:

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

The coach needs to divide the energy snacks equally among the substitute players. Solve the division to get the final clue.

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:

$63 \div 7 = \boxed{}$

$8 \div 8 = \boxed{}$

$55 \div 11 = \boxed{}$

$44 \div 11 = \boxed{}$

$88 \div 11 = \boxed{}$

$54 \div 9 = \boxed{}$

$121 \div 11 = \boxed{}$

$12 \div 6 = \boxed{}$

$60 \div 6 = \boxed{}$

$21 \div 3 = \boxed{}$

$30 \div 10 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain makes an amazing diving save, then flashes golden boots.
2. The villain makes an amazing diving save, then shows off neon shin guards.
3. The villain curves a wicked free kick, then adjusts grip gloves.
4. The villain blasts a bicycle kick, then flashes golden boots.
5. The villain dribbles past the defense, then adjusts grip gloves.
6. The villain dribbles past the defense, then tightens a lucky headband.
7. The villain blasts a bicycle kick, then checks a smart tracker.
8. The villain scores with a super header, then tightens a lucky headband.
9. The villain scores with a super header, then checks a smart tracker.
10. The villain dribbles past the defense, then shows off neon shin guards.
11. The villain scores with a super header, then flashes golden boots.
12. The villain curves a wicked free kick, then flashes golden boots.

Answer Key

The Championship Trophy Caper

Culprit: Neymar Jr

curving free kick · golden boots · right-footed kick · shaved buzzcut · muddy field

Trail: Start 21 → Clue 1 17 → Clue 2 8 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE VILLAIN DOES NOT WEAR A LUCKY HEADBAND"

Round 332 to the nearest hundred = 300 (T) · Round 1,744 to the nearest hundred = 1700 (N) · Round 8,882 to the nearest thousand = 9000 (A) · Round 174 to the nearest ten = 170 (R) · Round 4,256 to the nearest hundred = 4300 (C) · Round 718 to the nearest hundred = 700 (B) · Round 30 to the nearest ten = 30 (K) · Round 24 to the nearest ten = 20 (O) · Round 2,784 to the nearest thousand = 3000 (I) · Round 228 to the nearest ten = 230 (E) · Round 433 to the nearest ten = 430 (V) · Round 294 to the nearest ten = 290 (L) · Round 208 to the nearest hundred = 200 (W) · Round 483 to the nearest hundred = 500 (S) · Round 1,868 to the nearest thousand = 2000 (U) · Round 46 to the nearest ten = 50 (Y) · Round 6,785 to the nearest thousand = 7000 (H) · Round 90 to the nearest ten = 90 (D)

Clue 2 (Addition): "THE CRIME WAS DONE BY A RIGHT FOOTED PLAYER"

1804 + 2385 = 4189 (T) · 1878 + 2401 = 4279 (H) · 1440 + 1436 = 2876 (N) · 4006 + 2837 = 6843 (O) · 2547 + 2030 = 4577 (M) · 2513 + 2179 = 4692 (R) · 1464 + 775 = 2239 (S) · 709 + 1354 = 2063 (P) · 2855 + 5585 = 8440 (W) · 3873 + 4914 = 8787 (D) · 2057 + 2809 = 4866 (B) · 1266 + 1215 = 2481 (I) · 1230 + 1477 = 2707 (Y) · 4091 + 1827 = 5918 (E) · 5215 + 2488 = 7703 (A) · 3597 + 2832 = 6429 (L) · 5668 + 3476 = 9144 (G) · 2573 + 1116 = 3689 (F) · 1424 + 2542 = 3966 (C)

Clue 3 (Subtraction): "THE SNEAKY PLAYER SLIPS ON A MUDDY FIELD"

9139 - 4749 = 4390 (T) · 2241 - 805 = 1436 (S) · 4805 - 132 = 4673 (E) · 6037 - 4911 = 1126 (N) · 9595 - 1338 = 8257 (D) · 9403 - 4030 = 5373 (Y) · 10426 - 3781 = 6645 (L) · 9197 - 4336 = 4861 (U) · 6942 - 1179 = 5763 (A) · 6763 - 299 = 6464 (H) · 6031 - 2785 = 3246 (M) · 9005 - 1644 = 7361 (R) · 7398 - 4642 = 2756 (P) · 5847 - 1777 = 4070 (I) · 4257 - 504 = 3753 (K) · 9128 - 2517 = 6611 (F) · 9178 - 733 = 8445 (O)

Clue 4 (Multiplication facts (1-12)): "WE FOUND A SHAVED BUZZCUT HAIR ON TURF"

$5 \times 4 = 20$ (W) · $3 \times 5 = 15$ (H) · $5 \times 1 = 5$ (Z) · $7 \times 6 = 42$ (D) · $5 \times 12 = 60$ (E) · $11 \times 9 = 99$ (V) · $9 \times 7 = 63$ (C) · $11 \times 4 = 44$ (R) · $1 \times 9 = 9$ (S) · $12 \times 2 = 24$ (I) · $10 \times 11 = 110$ (U) · $8 \times 8 = 64$ (O) · $8 \times 7 = 56$ (N) · $2 \times 9 = 18$ (A) · $10 \times 5 = 50$ (F) · $12 \times 12 = 144$ (T) · $9 \times 10 = 90$ (B)

Clue 5 (Division facts (1-12)): surviving statement is box 12 → Neymar Jr

$63 \div 7 = 9$ · $8 \div 8 = 1$ · $55 \div 11 = 5$ · $44 \div 11 = 4$ · $88 \div 11 = 8$ · $54 \div 9 = 6$ · $121 \div 11 = 11$ · $12 \div 6 = 2$ · $60 \div 6 = 10$ · $21 \div 3 = 7$ · $30 \div 10 = 3$