



The World Cup Trophy Caper

Grade 3 math · Rounding, Word problems, Bar models, Addition, Division · Reading level grades 3-4

Detective: _____ Date: _____

The Golden World Cup trophy is missing! Right before the final match, someone snuck into the locker room and swapped it with a shiny gold-painted soccer ball. The Head Referee needs your help to crack the clues, find the culprit among the star players, and save the biggest game in the world!

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

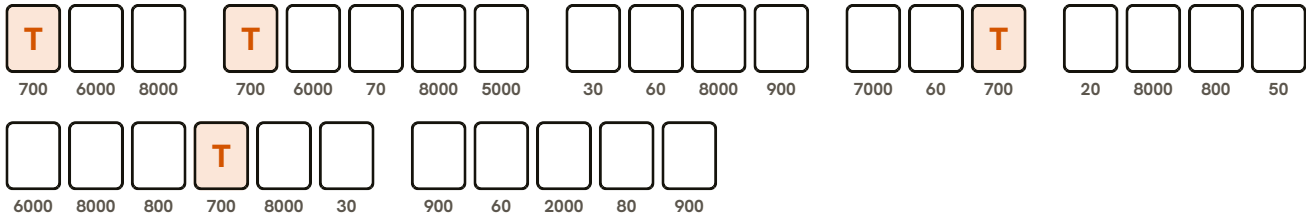
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	SIGNATURE MOVE	LUCKY GEAR	PREFERRED FOOT	HEADBAND COLOR	MATCH OBSTACLE
Neymar Jr	Super Save	Neon Shinguards	Right Footed	Green Headband	Flat Ball
Virgil van Dijk	Bicycle Kick	Heated Socks	Right Footed	Green Headband	Soggy Grass
Bukayo Saka	Super Save	Smart Watch	Right Footed	Blue Headband	Loud Whistle
Raheem Sterling	Speed Dribble	Neon Shinguards	Right Footed	Green Headband	Flat Ball
Robert Lewandowski	Power Shot	Golden Cleats	Right Footed	Blue Headband	Soggy Grass
Harry Kane	Speed Dribble	Grip Gloves	Right Footed	Green Headband	Soggy Grass
Bruno Fernandes	Super Save	Smart Watch	Right Footed	Green Headband	Soggy Grass
Jack Grealish	Power Shot	Golden Cleats	Right Footed	Green Headband	Flat Ball
Kevin De Bruyne	Laser Pass	Smart Watch	Left Footed	Green Headband	Soggy Grass
Luka Modric	Power Shot	Smart Watch	Left Footed	Red Headband	Loud Whistle
Manuel Neuer	Bicycle Kick	Smart Watch	Left Footed	Green Headband	Soggy Grass
Erling Haaland	Speed Dribble	Neon Shinguards	Right Footed	Blue Headband	Flat Ball
Kylian Mbappe	Super Save	Smart Watch	Right Footed	Blue Headband	Soggy Grass
Lionel Messi	Power Shot	Golden Cleats	Right Footed	Green Headband	Soggy Grass
Alisson Becker	Laser Pass	Grip Gloves	Right Footed	Red Headband	Loud Whistle
Marcus Rashford	Speed Dribble	Heated Socks	Left Footed	Green Headband	Soggy Grass
Karim Benzema	Speed Dribble	Neon Shinguards	Right Footed	Green Headband	Loud Whistle
Cristiano Ronaldo	Speed Dribble	Neon Shinguards	Left Footed	Green Headband	Loud Whistle
Son Heung Min	Speed Dribble	Golden Cleats	Left Footed	Blue Headband	Soggy Grass
Mohamed Salah	Laser Pass	Golden Cleats	Right Footed	Green Headband	Soggy Grass
Jude Bellingham	Speed Dribble	Grip Gloves	Left Footed	Blue Headband	Soggy Grass

CLUE 1 Rounding

The coach drew blocks on the whiteboard to compare the team run times, revealing a hidden note under the sketch.

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



Round 701 to the nearest hundred → **T**

Round 6,269 to the nearest thousand → **H**

Round 62 to the nearest ten → **O**

Round 764 to the nearest hundred → **A**

Round 851 to the nearest hundred → **S**

Round 1,864 to the nearest thousand → **C**

Round 24 to the nearest ten → **W**

Round 8,044 to the nearest thousand → **E**

Round 26 to the nearest ten → **D**

Round 6,619 to the nearest thousand → **N**

Round 80 to the nearest ten → **K**

Round 49 to the nearest ten → **R**

Round 67 to the nearest ten → **I**

Round 5,258 to the nearest thousand → **F**

Scratch space:

CLUE 3 Bar models

The stadium scoreboard was glitched and only showed the attendance rounded to the nearest ten, but a code emerged.

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

Someone scared the villain off with

S								S	S
30	23	18	18	25	18	27	29	30	30

 .

The whole is 38. One part is 8. What is the other part?

draw a bar model

Answer: → **S**

One bar shows 43 and the other shows 16. How much longer is the first bar?

draw a bar model

Answer: → **R**

One part is 9 and the other part is 16. What is the whole?

draw a bar model

Answer: → **Y**

The whole is 32. One part is 14. What is the other part?

draw a bar model

Answer: → **G**

The whole is 33. One part is 4. What is the other part?

draw a bar model

Answer: → **A**

The whole is 33. One part is 10. What is the other part?

draw a bar model

Answer: → **O**

CLUE 4 Addition

We added up all the jersey numbers of the substitute players to find the secret safe combination.

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

T																	
492	281	467	869	603	803	803	806	603	563	977	205	603	803	803	467	921	
										T					T		
412	930	467	467	563	921	904	467	391	563	492	281	467	205	603	492	565	281

$$269 + 223 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$310 + 157 = \boxed{} \rightarrow \boxed{\text{E}}$$

$$215 + 350 = \boxed{} \rightarrow \boxed{\text{C}}$$

$$400 + 406 = \boxed{} \rightarrow \boxed{\text{A}}$$

$$432 + 371 = \boxed{} \rightarrow \boxed{\text{L}}$$

$$222 + 341 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$448 + 456 = \boxed{} \rightarrow \boxed{\text{Y}}$$

$$190 + 222 = \boxed{} \rightarrow \boxed{\text{G}}$$

$$228 + 375 = \boxed{} \rightarrow \boxed{\text{I}}$$

$$547 + 322 = \boxed{} \rightarrow \boxed{\text{V}}$$

$$141 + 250 = \boxed{} \rightarrow \boxed{\text{O}}$$

$$502 + 475 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$300 + 621 = \boxed{} \rightarrow \boxed{\text{D}}$$

$$146 + 135 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$109 + 96 = \boxed{} \rightarrow \boxed{\text{P}}$$

$$335 + 595 = \boxed{} \rightarrow \boxed{\text{R}}$$

Scratch space:

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

The referee shared twenty-four training cones equally among the three fields, which pointed us to 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:

$5 \div 1 = \boxed{}$

$4 \div 1 = \boxed{}$

$9 \div 3 = \boxed{}$

$22 \div 11 = \boxed{}$

$121 \div 11 = \boxed{}$

$48 \div 4 = \boxed{}$

$8 \div 1 = \boxed{}$

$50 \div 5 = \boxed{}$

$77 \div 11 = \boxed{}$

$54 \div 6 = \boxed{}$

$6 \div 6 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain performs a bicycle kick, then shows off neon shinguards.
2. The villain executes a power shot, then shows off neon shinguards.
3. The villain does a speed dribble, then tightens grip gloves.
4. The villain executes a power shot, then flashes golden cleats.
5. The villain makes a laser pass, then flashes golden cleats.
6. The villain makes a super save, then taps a smart watch.
7. The villain performs a bicycle kick, then flashes golden cleats.
8. The villain makes a super save, then tightens grip gloves.
9. The villain performs a bicycle kick, then warms up in heated socks.
10. The villain makes a super save, then warms up in heated socks.
11. The villain does a speed dribble, then flashes golden cleats.
12. The villain makes a super save, then flashes golden cleats.

Answer Key

The World Cup Trophy Caper

Culprit: Bruno Fernandes

Super Save · Smart Watch · Right Footed · Green Headband · Soggy Grass

Trail: Start 21 → Clue 1 19 → Clue 2 13 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE THIEF DOES NOT WEAR HEATED SOCKS"

Round 701 to the nearest hundred = 700 (T) · Round 6,269 to the nearest thousand = 6000 (H) · Round 62 to the nearest ten = 60 (O) · Round 764 to the nearest hundred = 800 (A) · Round 851 to the nearest hundred = 900 (S) · Round 1,864 to the nearest thousand = 2000 (C) · Round 24 to the nearest ten = 20 (W) · Round 8,044 to the nearest thousand = 8000 (E) · Round 26 to the nearest ten = 30 (D) · Round 6,619 to the nearest thousand = 7000 (N) · Round 80 to the nearest ten = 80 (K) · Round 49 to the nearest ten = 50 (R) · Round 67 to the nearest ten = 70 (I) · Round 5,258 to the nearest thousand = 5000 (F)

Clue 2 (Word problems): "RIGHT FOOTED"

There were 78 tickets. 16 were used. How many are left? = 62 (R) · There were 71 tickets. 18 were used. How many are left? = 53 (H) · There were 72 tickets. 2 were used. How many are left? = 70 (T) · There are 11 boxes with 2 clues in each box. How many clues in all? = 22 (O) · There are 9 boxes with 3 clues in each box. How many clues in all? = 27 (G) · A detective found 60 clues on Monday and 12 more on Tuesday. How many clues in all? = 72 (I) · A detective found 2 clues on Monday and 11 more on Tuesday. How many clues in all? = 13 (F)

Clue 3 (Bar models): "SOGGY GRASS"

The whole is 38. One part is 8. What is the other part? = 30 (S) · One bar shows 43 and the other shows 16. How much longer is the first bar? = 27 (R) · One part is 9 and the other part is 16. What is the whole? = 25 (Y) · The whole is 32. One part is 14. What is the other part? = 18 (G) · The whole is 33. One part is 4. What is the other part? = 29 (A) · The whole is 33. One part is 10. What is the other part? = 23 (O)

Clue 4 (Addition): "THE VILLAIN SPILLED GREEN DYE ON THE PITCH"

$269 + 223 = 492$ (T) · $310 + 157 = 467$ (E) · $215 + 350 = 565$ (C) · $400 + 406 = 806$ (A) · $432 + 371 = 803$ (L) · $222 + 341 = 563$ (N) · $448 + 456 = 904$ (Y) · $190 + 222 = 412$ (G) · $228 + 375 = 603$ (I) · $547 + 322 = 869$ (V) · $141 + 250 = 391$ (O) · $502 + 475 = 977$ (S) · $300 + 621 = 921$ (D) · $146 + 135 = 281$ (H) · $109 + 96 = 205$ (P) · $335 + 595 = 930$ (R)

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

$5 \div 1 = 5$ · $4 \div 1 = 4$ · $9 \div 3 = 3$ · $22 \div 11 = 2$ · $121 \div 11 = 11$ · $48 \div 4 = 12$ · $8 \div 1 = 8$ · $50 \div 5 = 10$ · $77 \div 11 = 7$ · $54 \div 6 = 9$ · $6 \div 6 = 1$