



The Missing Championship Trophy

Grade 3 math · Rounding, Fractions of a number, Multiplication, Place value · Reading level grades 3-4

Detective: _____ Date: _____

The championship trophy has vanished right before the final whistle at Star League Soccer Stadium! The Head Coach needs your detective skills to inspect the pitch and find out who snatched the cup.

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	SPECIAL MOVE	GEAR PIECE	KICKING FOOT	HAIRSTYLE	WEAKNESS
Erling Haaland	Wall Defense	Stealth Shin Guards	Left Footed	Red Buzzcut	Bright Floodlights
Crystal Dunn	Speed Dribble	Grip Socks	Left Footed	Blonde Headband	Loud Whistles
Sam Kerr	Power Strike	Golden Cleats	Right Footed	Blonde Headband	Loud Whistles
Pedri	Curved Corner	GPS Tracker	Left Footed	Black Mohawk	Wet Turf
Harry Kane	Power Strike	Golden Cleats	Right Footed	Red Buzzcut	Loud Whistles
Kevin De Bruyne	Power Strike	Grip Socks	Right Footed	Black Mohawk	Wet Turf
Jamal Musiala	Wall Defense	Neon Gloves	Left Footed	Black Mohawk	Bright Floodlights
Marcus Rashford	Wall Defense	Golden Cleats	Left Footed	Black Mohawk	Wet Turf
Bruno Fernandes	Bicycle Kick	Golden Cleats	Left Footed	Blonde Headband	Wet Turf
Alyssa Naeher	Curved Corner	Golden Cleats	Right Footed	Black Mohawk	Wet Turf
Lionel Messi	Power Strike	Grip Socks	Right Footed	Black Mohawk	Loud Whistles
Kylian Mbappe	Curved Corner	Neon Gloves	Right Footed	Black Mohawk	Wet Turf
Virgil van Dijk	Power Strike	Neon Gloves	Right Footed	Black Mohawk	Wet Turf
Alphonso Davies	Power Strike	GPS Tracker	Right Footed	Blonde Headband	Wet Turf
Luka Modric	Curved Corner	Neon Gloves	Left Footed	Red Buzzcut	Loud Whistles
Cristiano Ronaldo	Power Strike	GPS Tracker	Right Footed	Red Buzzcut	Wet Turf
Alex Morgan	Curved Corner	Golden Cleats	Right Footed	Red Buzzcut	Loud Whistles
Jude Bellingham	Bicycle Kick	GPS Tracker	Left Footed	Red Buzzcut	Wet Turf
Megan Rapinoe	Power Strike	Stealth Shin Guards	Right Footed	Blonde Headband	Bright Floodlights
Rose Lavelle	Power Strike	Stealth Shin Guards	Right Footed	Black Mohawk	Wet Turf
Mohamed Salah	Wall Defense	Neon Gloves	Right Footed	Blonde Headband	Loud Whistles

CLUE 1

Rounding

The stadium scoreboard rounds up the match timer to the nearest ten to display the clue.

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

T															
70	60	80	5000	600	800	800	50	600	300	60	50	3000	300	8000	
	T				T										
3000	70	80	50	800	70	60	3000	60	600	300	9000	7000	50	400	900

Round 70 to the nearest ten → **T**

Round 351 to the nearest hundred → **R**

Round 3,418 to the nearest thousand → **S**

Round 579 to the nearest hundred → **I**

Round 4,629 to the nearest thousand → **V**

Round 62 to the nearest ten → **H**

Round 331 to the nearest hundred → **N**

Round 853 to the nearest hundred → **D**

Round 83 to the nearest ten → **E**

Round 837 to the nearest hundred → **L**

Round 6,888 to the nearest thousand → **U**

Round 8,434 to the nearest thousand → **O**

Round 50 to the nearest ten → **A**

Round 9,402 to the nearest thousand → **G**

Scratch space:

CLUE 2
Fractions of a number

The referee calculates what fraction of the training drills were completed before revealing the next lead.

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

T					T				T										
16	23	13		29	24	16	2	23	16	24	40	13	21	23	8	10	21		24

				T				T											
22	33	27	23	16	14	8	8	16	13	11	40	24	21	21					

$4/10 \text{ of } 40 = \square \rightarrow \text{ **T** }$

$3/5 \text{ of } 55 = \square \rightarrow \text{ **I** }$

$3/5 \text{ of } 40 = \square \rightarrow \text{ **A** }$

$1/10 \text{ of } 110 = \square \rightarrow \text{ **D** }$

$4/8 \text{ of } 4 = \square \rightarrow \text{ **C** }$

$2/8 \text{ of } 116 = \square \rightarrow \text{ **M** }$

$4/8 \text{ of } 16 = \square \rightarrow \text{ **O** }$

$2/4 \text{ of } 20 = \square \rightarrow \text{ **W** }$

$4/6 \text{ of } 21 = \square \rightarrow \text{ **F** }$

$1/4 \text{ of } 160 = \square \rightarrow \text{ **P** }$

$1/6 \text{ of } 78 = \square \rightarrow \text{ **E** }$

$4/8 \text{ of } 42 = \square \rightarrow \text{ **S** }$

$3/4 \text{ of } 36 = \square \rightarrow \text{ **G** }$

$5/10 \text{ of } 44 = \square \rightarrow \text{ **R** }$

$1/6 \text{ of } 138 = \square \rightarrow \text{ **H** }$

Scratch space:

CLUE 3
Multiplication facts (1-12)

The equipment manager counts soccer balls arranged in equal rows to unlock a secret code.

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

S																
20	33	45	70	70	45	50	77	27	50	44	15	18	18	30	110	60

S																
20	18	27	70	70	15	6	18	84	15	54	45	33	33	5	45	50

$2 \times 10 = \square \rightarrow \text{S}$

$5 \times 1 = \square \rightarrow \text{A}$

$3 \times 9 = \square \rightarrow \text{O}$

$4 \times 11 = \square \rightarrow \text{W}$

$6 \times 3 = \square \rightarrow \text{T}$

$12 \times 7 = \square \rightarrow \text{H}$

$9 \times 6 = \square \rightarrow \text{V}$

$3 \times 11 = \square \rightarrow \text{L}$

$10 \times 11 = \square \rightarrow \text{R}$

$7 \times 10 = \square \rightarrow \text{P}$

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

$9 \times 5 = \square \rightarrow \text{I}$

$11 \times 7 = \square \rightarrow \text{G}$

$2 \times 3 = \square \rightarrow \text{D}$

$5 \times 10 = \square \rightarrow \text{N}$

$5 \times 6 = \square \rightarrow \text{U}$

$6 \times 10 = \square \rightarrow \text{F}$

Scratch space:

CLUE 4 Place value

The team captain decodes a jersey locker number using place value to uncover suspect details.

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

A			A						A					A					A		
2000	1000	3000	2000	900	400	90	7000	9000	2000	30	400	9000	2000	60	20	30	2000	4000			
7000	8000	6000	9000	700	8000	700	6000														

What is the value of the 2 in 2,317? → **A**

What is the value of the 9 in 593? → **M**

What is the value of the 6 in 6,399? → **T**

What is the value of the 6 in 461? → **I**

What is the value of the 4 in 4,996? → **S**

What is the value of the 9 in 2,936? → **C**

What is the value of the 9 in 9,322? → **H**

What is the value of the 1 in 21,348? → **B**

What is the value of the 7 in 3,752? → **E**

What is the value of the 2 in 325? → **R**

What is the value of the 7 in 7,831? → **O**

What is the value of the 3 in 430? → **W**

What is the value of the 3 in 3,970? → **L**

What is the value of the 8 in 68,461? → **N**

What is the value of the 4 in 2,453? → **K**

Scratch space:

CLUE 5**Fractions of a number - the last clue**

The coach breaks down the match statistics by looking at fractions of total passes to spot the culprit.

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:

$5/10 \text{ of } 14 = \boxed{}$

$1/4 \text{ of } 48 = \boxed{}$

$5/10 \text{ of } 20 = \boxed{}$

$1/8 \text{ of } 8 = \boxed{}$

$3/6 \text{ of } 8 = \boxed{}$

$1/5 \text{ of } 30 = \boxed{}$

$1/10 \text{ of } 50 = \boxed{}$

$2/3 \text{ of } 12 = \boxed{}$

$1/6 \text{ of } 12 = \boxed{}$

$4/8 \text{ of } 22 = \boxed{}$

$1/8 \text{ of } 72 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain dribbles quickly past defenders, then pulls up tight grip socks.
2. The villain blocks the shot with a wall, then checks the digital gps tracker.
3. The villain powers a shot into the net, then pulls up tight grip socks.
4. The villain unleashes a bicycle kick, then straps on stealth shin guards.
5. The villain blocks the shot with a wall, then flashes shiny golden cleats.
6. The villain unleashes a bicycle kick, then adjusts glowing neon gloves.
7. The villain bends a curved corner kick, then flashes shiny golden cleats.
8. The villain dribbles quickly past defenders, then straps on stealth shin guards.
9. The villain powers a shot into the net, then straps on stealth shin guards.
10. The villain powers a shot into the net, then adjusts glowing neon gloves.
11. The villain dribbles quickly past defenders, then checks the digital gps tracker.
12. The villain bends a curved corner kick, then adjusts glowing neon gloves.

Answer Key

The Missing Championship Trophy

Culprit: Kevin De Bruyne

Power Strike · Grip Socks · Right Footed · Black Mohawk · Wet Turf

Trail: Start 21 → Clue 1 18 → Clue 2 11 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE VILLAIN HAS NO STEALTH SHIN GUARDS"

Round 70 to the nearest ten = 70 (T) · Round 351 to the nearest hundred = 400 (R) · Round 3,418 to the nearest thousand = 3000 (S) · Round 579 to the nearest hundred = 600 (I) · Round 4,629 to the nearest thousand = 5000 (V) · Round 62 to the nearest ten = 60 (H) · Round 331 to the nearest hundred = 300 (N) · Round 853 to the nearest hundred = 900 (D) · Round 83 to the nearest ten = 80 (E) · Round 837 to the nearest hundred = 800 (L) · Round 6,888 to the nearest thousand = 7000 (U) · Round 8,434 to the nearest thousand = 8000 (O) · Round 50 to the nearest ten = 50 (A) · Round 9,402 to the nearest thousand = 9000 (G)

Clue 2 (Fractions of a number): "THE MATCH TAPE SHOWS A RIGHT FOOTED PASS"

$\frac{4}{10}$ of 40 = 16 (T) · $\frac{3}{5}$ of 55 = 33 (I) · $\frac{3}{5}$ of 40 = 24 (A) · $\frac{1}{10}$ of 110 = 11 (D) · $\frac{4}{8}$ of 4 = 2 (C) · $\frac{2}{8}$ of 116 = 29 (M) · $\frac{4}{8}$ of 16 = 8 (O) · $\frac{2}{4}$ of 20 = 10 (W) · $\frac{4}{6}$ of 21 = 14 (F) · $\frac{1}{4}$ of 160 = 40 (P) · $\frac{1}{6}$ of 78 = 13 (E) · $\frac{4}{8}$ of 42 = 21 (S) · $\frac{3}{4}$ of 36 = 27 (G) · $\frac{5}{10}$ of 44 = 22 (R) · $\frac{1}{6}$ of 138 = 23 (H)

Clue 3 (Multiplication facts (1-12)): "SLIPPING ON WET TURF STOPPED THE VILLAIN"

$2 \times 10 = 20$ (S) · $5 \times 1 = 5$ (A) · $3 \times 9 = 27$ (O) · $4 \times 11 = 44$ (W) · $6 \times 3 = 18$ (T) · $12 \times 7 = 84$ (H) · $9 \times 6 = 54$ (V) · $3 \times 11 = 33$ (L) · $10 \times 11 = 110$ (R) · $7 \times 10 = 70$ (P) · $5 \times 3 = 15$ (E) · $9 \times 5 = 45$ (I) · $11 \times 7 = 77$ (G) · $2 \times 3 = 6$ (D) · $5 \times 10 = 50$ (N) · $5 \times 6 = 30$ (U) · $6 \times 10 = 60$ (F)

Clue 4 (Place value): "A BLACK MOHAWK HAIR WAS ON THE NET"

What is the value of the 2 in 2,317? = 2000 (A) · What is the value of the 9 in 593? = 90 (M) · What is the value of the 6 in 6,399? = 6000 (T) · What is the value of the 6 in 461? = 60 (I) · What is the value of the 4 in 4,996? = 4000 (S) · What is the value of the 9 in 2,936? = 900 (C) · What is the value of the 9 in 9,322? = 9000 (H) · What is the value of the 1 in 21,348? = 1000 (B) · What is the value of the 7 in 3,752? = 700 (E) · What is the value of the 2 in 325? = 20 (R) · What is the value of the 7 in 7,831? = 7000 (O) · What is the value of the 3 in 430? = 30 (W) · What is the value of the 3 in 3,970? = 3000 (L) · What is the value of the 8 in 68,461? = 8000 (N) · What is the value of the 4 in 2,453? = 400 (K)

Clue 5 (Fractions of a number): surviving statement is box 3 → Kevin De Bruyne

$\frac{5}{10}$ of 14 = 7 · $\frac{1}{4}$ of 48 = 12 · $\frac{5}{10}$ of 20 = 10 · $\frac{1}{8}$ of 8 = 1 · $\frac{3}{6}$ of 8 = 4 · $\frac{1}{5}$ of 30 = 6 · $\frac{1}{10}$ of 50 = 5 · $\frac{2}{3}$ of 12 = 8 · $\frac{1}{6}$ of 12 = 2 · $\frac{4}{8}$ of 22 = 11 · $\frac{1}{8}$ of 72 = 9