



The Case of the Missing Championship Cup

Grade 4 math · Skip counting, Word problems, Multiplication, Rounding, Missing addends · Reading level grades 3-4

Detective: _____ Date: _____

Just hours before the kickoff of the final match, the golden championship cup was snatched from its display case! A mysterious soccer player was seen sprinting away from the trophy room. We need you to join the investigation, solve the drills, and track down the phantom striker before the final whistle blows!

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 phantom striker is _____

Possible suspects

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

NAME	SPECIAL SHOT	DEFENSIVE MOVE	DRIBBLING FOOT	HEADBAND COLOR	TRICKED BY
Phil Foden	Banana Curve	Keeper Dive	Right Footed	Green Headband	Fake Shot
Leo Messi	Rocket Volley	Slide Tackle	Left Footed	Blue Headband	Fake Shot
Megan Rapinoe	Banana Curve	Divider Block	Left Footed	Blue Headband	Nutmeg Pass
Cristiano Ronaldo	Banana Curve	Divider Block	Right Footed	Red Headband	Nutmeg Pass
Aitana Bonmati	Header Smash	Slide Tackle	Left Footed	Green Headband	Fake Shot
Bukayo Saka	Bicycle Kick	Divider Block	Left Footed	Blue Headband	Nutmeg Pass
Erling Haaland	Rocket Volley	Keeper Dive	Left Footed	Blue Headband	Nutmeg Pass
Jack Grealish	Rocket Volley	Keeper Dive	Left Footed	Blue Headband	Fake Shot
Rose Lavelle	Banana Curve	Keeper Dive	Left Footed	Green Headband	Nutmeg Pass
Jude Bellingham	Rocket Volley	Chest Trap	Left Footed	Blue Headband	Nutmeg Pass
Mo Salah	Bicycle Kick	Bicycle Clear	Right Footed	Blue Headband	Nutmeg Pass
Neymar Jr	Bicycle Kick	Keeper Dive	Right Footed	Blue Headband	Fake Shot
Robert Lewandowski	Rocket Volley	Keeper Dive	Right Footed	Red Headband	Nutmeg Pass
Kevin De Bruyne	Banana Curve	Bicycle Clear	Right Footed	Green Headband	Nutmeg Pass
Luka Modric	Knuckle Shot	Keeper Dive	Right Footed	Red Headband	Nutmeg Pass
Kylian Mbappe	Bicycle Kick	Chest Trap	Right Footed	Blue Headband	Nutmeg Pass
Alisha Lehmann	Header Smash	Divider Block	Right Footed	Blue Headband	Stepover Feint
Harry Kane	Header Smash	Keeper Dive	Left Footed	Red Headband	Nutmeg Pass
Son Heungmin	Bicycle Kick	Divider Block	Left Footed	Red Headband	Stepover Feint
Marcus Rashford	Rocket Volley	Bicycle Clear	Left Footed	Blue Headband	Nutmeg Pass
Sam Kerr	Banana Curve	Slide Tackle	Left Footed	Green Headband	Fake Shot

CLUE 1 Skip counting

The referee needs you to help sort out the soccer ball bags. Solve this word problem about the team gear to get the first clue.

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

T																T	
6	70	24	15	20	25	25	45	20	10	18	8	24	21	10	8	6	
			T														
80	21	24	6	70	24	30	20	40	42	40	25	24	40	25	24	45	14

Skip-count by 2s. Fill the blank: 2, 4, __, 8, 10 → **T**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, __, 75, 80 → **H**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, __, 12, 14 → **N**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, __, 27, 30 → **E**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, __, 35, 40 → **B**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, __, 24, 27 → **S**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, __, 18, 21 → **V**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, __, 22, 24 → **I**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, __, 90, 100 → **U**

Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 → **O**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, __, 16, 18 → **R**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 → **A**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, __, 21, 24 → **D**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, __, 45, 50 → **C**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, __, 45, 48 → **Y**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, __, 30, 35 → **L**

Scratch space:

CLUE 2 Word problems

Coach Clara is setting up practice cones on the field. Count the cones by skipping numbers to unlock the next piece of evidence.

Solve each problem, then write its letter in the boxes to fill in the missing word.

A witness saw the villain was

L									
39	63	60	36	60	49	49	36	63	24

.

There were 62 shin guards. 23 were used up. How many shin guards are left? → **L**

Coach Kelly found 10 practice cones yesterday and 50 more today. How many practice cones in all? → **F**

Coach Kelly lined up 4 rows of 6 soccer balls. How many soccer balls in all? → **D**

Coach Kelly found 47 soccer balls yesterday and 2 more today. How many soccer balls in all? → **O**

Coach Kelly lined up 9 rows of 7 practice cones. How many practice cones in all? → **E**

Coach Kelly lined up 3 rows of 12 soccer balls. How many soccer balls in all? → **T**

Scratch space:

CLUE 3

Multiplication facts (1-12)

Look at the stadium seats. They are arranged in perfect rows. Multiply the rows to find out where the witness was sitting.

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

T			T							T								
99	110	1	99	110	63	1	2	16	55	99	21	55	42	2	36	90	1	20
										T								
10	5	48	27	36	63	21	60	42	36	99	4	1	16	8	48	90	90	

$9 \times 11 = \square \rightarrow \mathbf{T}$

$4 \times 12 = \square \rightarrow \mathbf{A}$

$6 \times 7 = \square \rightarrow \mathbf{N}$

$11 \times 5 = \square \rightarrow \mathbf{O}$

$9 \times 10 = \square \rightarrow \mathbf{S}$

$3 \times 12 = \square \rightarrow \mathbf{U}$

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

$12 \times 5 = \square \rightarrow \mathbf{K}$

$2 \times 5 = \square \rightarrow \mathbf{B}$

$1 \times 4 = \square \rightarrow \mathbf{M}$

$2 \times 1 = \square \rightarrow \mathbf{F}$

$2 \times 4 = \square \rightarrow \mathbf{P}$

$10 \times 11 = \square \rightarrow \mathbf{H}$

$10 \times 2 = \square \rightarrow \mathbf{D}$

$7 \times 3 = \square \rightarrow \mathbf{C}$

$2 \times 8 = \square \rightarrow \mathbf{G}$

$5 \times 1 = \square \rightarrow \mathbf{Y}$

$3 \times 9 = \square \rightarrow \mathbf{Q}$

$7 \times 9 = \square \rightarrow \mathbf{I}$

Scratch space:

CLUE 4 Rounding

The stadium scoreboard is broken and only shows rounded numbers. Round the match attendance to find the hidden code.

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

A								A			A					A	
110	3000	700	2900	7000	30	7000	110	50	3000	110	500	50	130	110	170		
								A									
50	1700	70	290	290	7000	50	500	7000	110	1700	430	30	7000				
		A															
300	70	110	700	290	70	170	430										

Round 108 to the nearest ten → **A**

Round 431 to the nearest ten → **T**

Round 1,736 to the nearest hundred → **R**

Round 268 to the nearest hundred → **G**

Round 33 to the nearest ten → **H**

Round 130 to the nearest ten → **W**

Round 2,937 to the nearest hundred → **U**

Round 655 to the nearest hundred → **L**

Round 506 to the nearest hundred → **N**

Round 46 to the nearest ten → **D**

Round 290 to the nearest ten → **P**

Round 6,552 to the nearest thousand → **E**

Round 3,022 to the nearest thousand → **B**

Round 70 to the nearest ten → **O**

Round 166 to the nearest ten → **S**

Scratch space:

CLUE 5**Missing addends - the last clue**

Some water bottles went missing from the team bench. Find the missing number to complete the equipment log and find the villain.

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:

$2 + \underline{\quad} = 3$

$35 + \underline{\quad} = 43$

$8 + \underline{\quad} = 12$

$30 + \underline{\quad} = 39$

$15 + \underline{\quad} = 18$

$21 + \underline{\quad} = 28$

$34 + \underline{\quad} = 40$

$1 + \underline{\quad} = 12$

$39 + \underline{\quad} = 51$

$20 + \underline{\quad} = 30$

$17 + \underline{\quad} = 22$

Step 2 - cross out the sentence with each answer:

1. The villain fires a rocket volley past the keeper, then stops the chase with a chest trap.
2. The villain fires a rocket volley past the keeper, then leaps over the fence with a keeper dive.
3. The villain swerves a crazy knuckle shot, then leaps away using a bicycle clear.
4. The villain blasts a banana curve shot into the net, then blocks the exit with a divider block.
5. The villain fires a rocket volley past the keeper, then leaps away using a bicycle clear.
6. The villain scores with a wild bicycle kick, then leaps away using a bicycle clear.
7. The villain powers in a heavy header smash, then leaps over the fence with a keeper dive.
8. The villain scores with a wild bicycle kick, then blocks the exit with a divider block.
9. The villain fires a rocket volley past the keeper, then blocks the exit with a divider block.
10. The villain swerves a crazy knuckle shot, then stops the chase with a chest trap.
11. The villain blasts a banana curve shot into the net, then leaps over the fence with a keeper dive.
12. The villain blasts a banana curve shot into the net, then leaps away using a bicycle clear.

Answer Key

The Case of the Missing Championship Cup

Culprit: Erling Haaland

Rocket Volley · Keeper Dive · Left Footed · Blue Headband · Nutmeg Pass

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

Clue 1 (Skip counting): "THE VILLAIN DOES NOT USE THE BICYCLE CLEAR"

Skip-count by 2s. Fill the blank: 2, 4, __, 8, 10 = 6 (T) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, __, 75, 80 = 70 (H) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, __, 12, 14 = 10 (N) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, __, 27, 30 = 24 (E) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, __, 35, 40 = 30 (B) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, __, 24, 27 = 21 (S) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, __, 18, 21 = 15 (V) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, __, 22, 24 = 20 (I) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, __, 90, 100 = 80 (U) · Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 = 8 (O) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, __, 16, 18 = 14 (R) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 = 45 (A) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, __, 21, 24 = 18 (D) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, __, 45, 50 = 40 (C) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, __, 45, 48 = 42 (Y) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, __, 30, 35 = 25 (L)

Clue 2 (Word problems): "LEFT FOOTED"

There were 62 shin guards. 23 were used up. How many shin guards are left? = 39 (L) · Coach Kelly found 10 practice cones yesterday and 50 more today. How many practice cones in all? = 60 (F) · Coach Kelly lined up 4 rows of 6 soccer balls. How many soccer balls in all? = 24 (D) · Coach Kelly found 47 soccer balls yesterday and 2 more today. How many soccer balls in all? = 49 (O) · Coach Kelly lined up 9 rows of 7 practice cones. How many practice cones in all? = 63 (E) · Coach Kelly lined up 3 rows of 12 soccer balls. How many soccer balls in all? = 36 (T)

Clue 3 (Multiplication facts (1-12)): "THE THIEF GOT CONFUSED BY A QUICK NUTMEG PASS"

$9 \times 11 = 99$ (T) · $4 \times 12 = 48$ (A) · $6 \times 7 = 42$ (N) · $11 \times 5 = 55$ (O) · $9 \times 10 = 90$ (S) · $3 \times 12 = 36$ (U) · $1 \times 1 = 1$ (E) · $12 \times 5 = 60$ (K) · $2 \times 5 = 10$ (B) · $1 \times 4 = 4$ (M) · $2 \times 1 = 2$ (F) · $2 \times 4 = 8$ (P) · $10 \times 11 = 110$ (H) · $10 \times 2 = 20$ (D) · $7 \times 3 = 21$ (C) · $2 \times 8 = 16$ (G) · $5 \times 1 = 5$ (Y) · $3 \times 9 = 27$ (Q) · $7 \times 9 = 63$ (I)

Clue 4 (Rounding): "A BLUE HEADBAND WAS DROPPED NEAR THE GOALPOST"

Round 108 to the nearest ten = 110 (A) · Round 431 to the nearest ten = 430 (T) · Round 1,736 to the nearest hundred = 1700 (R) · Round 268 to the nearest hundred = 300 (G) · Round 33 to the nearest ten = 30 (H) · Round 130 to the nearest ten = 130 (W) · Round 2,937 to the nearest hundred = 2900 (U) · Round 655 to the nearest hundred = 700 (L) · Round 506 to the nearest hundred = 500 (N) · Round 46 to the nearest ten = 50 (D) · Round 290 to the nearest ten = 290 (P) · Round 6,552 to the nearest thousand = 7000 (E) · Round 3,022 to the nearest thousand = 3000 (B) · Round 70 to the nearest ten = 70 (O) · Round 166 to the nearest ten = 170 (S)

Clue 5 (Missing addends): surviving statement is box 2 → Erling Haaland

$2 + _ = 3 = 1$ · $35 + _ = 43 = 8$ · $8 + _ = 12 = 4$ · $30 + _ = 39 = 9$ · $15 + _ = 18 = 3$ · $21 + _ = 28 = 7$ · $34 + _ = 40 = 6$ · $1 + _ = 12 = 11$ · $39 + _ = 51 = 12$ · $20 + _ = 30 = 10$ · $17 + _ = 22 = 5$