



The Case of the Missing Championship Trophy

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

Detective: _____ **Date:** _____

Oh no! The Golden Cup has been stolen right before the big final match! A mysterious player snuck onto the pitch and snatched it from the trophy case. Coach Sam needs your math skills to track down the culprit among the league stars!

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 clever kicker 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	SHOOTING FOOT	HEADBAND COLOR	PITCH WEAKNESS
Antoine	diving header	neon goalkeeper gloves	left footed kicker	neon green headband	slippery wet grass
Neymar	bicycle kick	shiny shin guards	right footed kicker	bright red headband	slippery wet grass
Megan	rainbow flick	neon goalkeeper gloves	right footed kicker	electric blue headband	loud cheering fans
Bruno	knuckleball shot	light up laces	right footed kicker	electric blue headband	loud cheering fans
Robert	power header	golden cleats	left footed kicker	bright red headband	blinding stadium lights
Trinity	rainbow flick	light up laces	right footed kicker	electric blue headband	slippery wet grass
Luka	rainbow flick	golden cleats	left footed kicker	neon green headband	loud cheering fans
Lionel	diving header	golden cleats	right footed kicker	electric blue headband	slippery wet grass
Harry	knuckleball shot	neon goalkeeper gloves	right footed kicker	neon green headband	loud cheering fans
Erling	knuckleball shot	striped knee socks	right footed kicker	electric blue headband	slippery wet grass
Alex	diving header	shiny shin guards	right footed kicker	electric blue headband	blinding stadium lights
Virgil	bicycle kick	light up laces	left footed kicker	electric blue headband	blinding stadium lights
Sam	bicycle kick	shiny shin guards	left footed kicker	electric blue headband	slippery wet grass
Mohamed	knuckleball shot	light up laces	right footed kicker	electric blue headband	slippery wet grass
Cristiano	rainbow flick	light up laces	right footed kicker	bright red headband	loud cheering fans
Jude	bicycle kick	striped knee socks	right footed kicker	electric blue headband	loud cheering fans
Kevin	diving header	neon goalkeeper gloves	right footed kicker	electric blue headband	loud cheering fans
Marta	rainbow flick	light up laces	right footed kicker	electric blue headband	loud cheering fans
Marcus	knuckleball shot	striped knee socks	right footed kicker	bright red headband	blinding stadium lights
Bukayo	rainbow flick	neon goalkeeper gloves	right footed kicker	bright red headband	slippery wet grass
Sonny	bicycle kick	light up laces	right footed kicker	electric blue headband	slippery wet grass

CLUE 1 Addition

Coach Sam counted the training cones on the field. We need to add the spare piles together to find the first big clue!

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

T																	
847	851	532	814	294	532	410	294	532	696	779	294	847	890	532	648	594	

290	294	907	410	532	779	673	907	532	648	847	696	

$489 + 358 = \square \rightarrow$ T	$377 + 402 = \square \rightarrow$ N	$346 + 561 = \square \rightarrow$ L
$478 + 412 = \square \rightarrow$ W	$307 + 225 = \square \rightarrow$ E	$146 + 144 = \square \rightarrow$ G
$186 + 408 = \square \rightarrow$ R	$473 + 341 = \square \rightarrow$ F	$227 + 183 = \square \rightarrow$ D
$456 + 217 = \square \rightarrow$ C	$436 + 212 = \square \rightarrow$ A	$439 + 257 = \square \rightarrow$ S
$294 + 557 = \square \rightarrow$ H	$189 + 105 = \square \rightarrow$ O	

Scratch space:

CLUE 2 Subtraction

Some soccer balls rolled away into the muddy ditch. If we subtract the lost balls from the total bag, we will find where the thief went.

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

T																				
665	407	135	678	227	399	399	581	112	771	613	135	784	232	771	848	880				

T						T				T	
665	407	135	771	798	178	407	665	232	848	848	665

$1019 - 354 = \square \rightarrow \boxed{\text{T}}$	$902 - 54 = \square \rightarrow \boxed{\text{O}}$	$455 - 56 = \square \rightarrow \boxed{\text{L}}$
$433 - 206 = \square \rightarrow \boxed{\text{A}}$	$233 - 1 = \square \rightarrow \boxed{\text{F}}$	$340 - 228 = \square \rightarrow \boxed{\text{U}}$
$961 - 81 = \square \rightarrow \boxed{\text{M}}$	$267 - 89 = \square \rightarrow \boxed{\text{G}}$	$937 - 324 = \square \rightarrow \boxed{\text{V}}$
$637 - 230 = \square \rightarrow \boxed{\text{H}}$	$256 - 121 = \square \rightarrow \boxed{\text{E}}$	$585 - 4 = \square \rightarrow \boxed{\text{C}}$
$807 - 129 = \square \rightarrow \boxed{\text{B}}$	$939 - 141 = \square \rightarrow \boxed{\text{I}}$	$1119 - 348 = \square \rightarrow \boxed{\text{R}}$
$902 - 118 = \square \rightarrow \boxed{\text{D}}$		

Scratch space:

CLUE 3

Multiplication facts (1-12)

The team water bottles are lined up in neat equal rows on the bench. Let us multiply the rows to unlock a secret clue.

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

T															
84	49	32	63	80	32	3	36	15	100	54	3	15	32	24	
															T
63	54	6	100	100	32	24	15	63	54	6	72	70	20	84	

$7 \times 12 = \square \rightarrow \boxed{\text{T}}$

$8 \times 4 = \square \rightarrow \boxed{\text{E}}$

$9 \times 8 = \square \rightarrow \boxed{\text{D}}$

$5 \times 3 = \square \rightarrow \boxed{\text{Y}}$

$2 \times 3 = \square \rightarrow \boxed{\text{I}}$

$3 \times 1 = \square \rightarrow \boxed{\text{A}}$

$10 \times 8 = \square \rightarrow \boxed{\text{N}}$

$10 \times 7 = \square \rightarrow \boxed{\text{O}}$

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

$6 \times 4 = \square \rightarrow \boxed{\text{R}}$

$9 \times 4 = \square \rightarrow \boxed{\text{K}}$

$4 \times 5 = \square \rightarrow \boxed{\text{U}}$

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

$9 \times 6 = \square \rightarrow \boxed{\text{L}}$

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

Scratch space:

CLUE 4 Rounding

The big stadium radar screen is broken and only shows rounded numbers. We must round the speed of the thief's kick to get our next hint.

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

A												A		
60	80	900	5000	30	50	8000	2000	70	90	80	6000	20	60	7000

												A				
800	20	400	7000	7000	90	800	400	30	6000	900	90	500	20	60	80	80

Round 62 to the nearest ten → **A**

Round 6,711 to the nearest thousand → **P**

Round 7,836 to the nearest thousand → **B**

Round 70 to the nearest ten → **U**

Round 22 to the nearest ten → **R**

Round 778 to the nearest hundred → **D**

Round 26 to the nearest ten → **N**

Round 4,699 to the nearest thousand → **I**

Round 51 to the nearest ten → **Y**

Round 495 to the nearest hundred → **G**

Round 852 to the nearest hundred → **H**

Round 420 to the nearest hundred → **O**

Round 93 to the nearest ten → **E**

Round 6,117 to the nearest thousand → **T**

Round 77 to the nearest ten → **S**

Round 2,389 to the nearest thousand → **L**

Scratch space:

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

We have a big box of orange slices to share equally among the players. Splitting them up fairly will reveal 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:

$48 \div 12 = \boxed{}$

$2 \div 1 = \boxed{}$

$7 \div 7 = \boxed{}$

$50 \div 5 = \boxed{}$

$30 \div 6 = \boxed{}$

$42 \div 6 = \boxed{}$

$6 \div 2 = \boxed{}$

$144 \div 12 = \boxed{}$

$12 \div 2 = \boxed{}$

$9 \div 1 = \boxed{}$

$110 \div 10 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain executes a flawless bicycle kick, then zips away with light up laces.
2. The villain fires a knuckleball shot, then pulls up their striped knee socks.
3. The villain performs a dazzling rainbow flick, then runs off in golden cleats.
4. The villain performs a dazzling rainbow flick, then zips away with light up laces.
5. The villain executes a flawless bicycle kick, then adjusts their neon goalkeeper gloves.
6. The villain performs a dazzling rainbow flick, then pulls up their striped knee socks.
7. The villain dives for a spectacular header, then flashes their shiny shin guards.
8. The villain fires a knuckleball shot, then zips away with light up laces.
9. The villain scores with a power header, then runs off in golden cleats.
10. The villain executes a flawless bicycle kick, then runs off in golden cleats.
11. The villain scores with a power header, then zips away with light up laces.
12. The villain fires a knuckleball shot, then runs off in golden cleats.

Answer Key

The Case of the Missing Championship Trophy

Culprit: Mohamed

knuckleball shot · light up laces · right footed kicker · electric blue headband · slippery wet grass

Trail: Start 21 → Clue 1 18 → Clue 2 15 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE FOE DOES NOT WEAR GOLDEN CLEATS"

$489 + 358 = 847$ (T) · $377 + 402 = 779$ (N) · $346 + 561 = 907$ (L) · $478 + 412 = 890$ (W) · $307 + 225 = 532$ (E) · $146 + 144 = 290$ (G) · $186 + 408 = 594$ (R) · $473 + 341 = 814$ (F) · $227 + 183 = 410$ (D) · $456 + 217 = 673$ (C) · $436 + 212 = 648$ (A) · $439 + 257 = 696$ (S) · $294 + 557 = 851$ (H) · $189 + 105 = 294$ (O)

Clue 2 (Subtraction): "THE BALL CURVED FROM THE RIGHT FOOT"

$1019 - 354 = 665$ (T) · $902 - 54 = 848$ (O) · $455 - 56 = 399$ (L) · $433 - 206 = 227$ (A) · $233 - 1 = 232$ (F) · $340 - 228 = 112$ (U) · $961 - 81 = 880$ (M) · $267 - 89 = 178$ (G) · $937 - 324 = 613$ (V) · $637 - 230 = 407$ (H) · $256 - 121 = 135$ (E) · $585 - 4 = 581$ (C) · $807 - 129 = 678$ (B) · $939 - 141 = 798$ (I) · $1119 - 348 = 771$ (R) · $902 - 118 = 784$ (D)

Clue 3 (Multiplication facts (1-12)): "THE SNEAKY PLAYER SLIPPERY SLID OUT"

$7 \times 12 = 84$ (T) · $8 \times 4 = 32$ (E) · $9 \times 8 = 72$ (D) · $5 \times 3 = 15$ (Y) · $2 \times 3 = 6$ (I) · $3 \times 1 = 3$ (A) · $10 \times 8 = 80$ (N) · $10 \times 7 = 70$ (O) · $7 \times 9 = 63$ (S) · $6 \times 4 = 24$ (R) · $9 \times 4 = 36$ (K) · $4 \times 5 = 20$ (U) · $7 \times 7 = 49$ (H) · $9 \times 6 = 54$ (L) · $10 \times 10 = 100$ (P)

Clue 4 (Rounding): "A SHINY BLUE STRAP DROPPED ON THE GRASS"

Round 62 to the nearest ten = 60 (A) · Round 6,711 to the nearest thousand = 7000 (P) · Round 7,836 to the nearest thousand = 8000 (B) · Round 70 to the nearest ten = 70 (U) · Round 22 to the nearest ten = 20 (R) · Round 778 to the nearest hundred = 800 (D) · Round 26 to the nearest ten = 30 (N) · Round 4,699 to the nearest thousand = 5000 (I) · Round 51 to the nearest ten = 50 (Y) · Round 495 to the nearest hundred = 500 (G) · Round 852 to the nearest hundred = 900 (H) · Round 420 to the nearest hundred = 400 (O) · Round 93 to the nearest ten = 90 (E) · Round 6,117 to the nearest thousand = 6000 (T) · Round 77 to the nearest ten = 80 (S) · Round 2,389 to the nearest thousand = 2000 (L)

Clue 5 (Division facts (1-12)): surviving statement is box 8 → Mohamed

$48 \div 12 = 4$ · $2 \div 1 = 2$ · $7 \div 7 = 1$ · $50 \div 5 = 10$ · $30 \div 6 = 5$ · $42 \div 6 = 7$ · $6 \div 2 = 3$ · $144 \div 12 = 12$ · $12 \div 2 = 6$ · $9 \div 1 = 9$ · $110 \div 10 = 11$