

The Cup Cake Caper

Grade 1 math · Addition, Subtraction, Skip counting, Place value, Missing addends · Reading level grades 1-2

Detective: _____ Date: _____

The Championship Gold Cup has vanished from the main field right before the big game! The stadium is packed, and the referee is about to blow the whistle. We need to find which player took it!

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 snatcher 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	KICKING FOOT	HAIR COLOR	FAVORITE SNACK
Neymar	Rocket Shot	Star Headband	Right-footed	Black Hair	Sport Drinks
Declan	Turbo Dribble	Golden Cleats	Right-footed	Blonde Hair	Orange Slices
Virgil	Turbo Dribble	Golden Cleats	Right-footed	Red Hair	Orange Slices
Sam	Turbo Dribble	Sticky Gloves	Right-footed	Black Hair	Sport Drinks
Leo	Rocket Shot	Sticky Gloves	Left-footed	Red Hair	Orange Slices
Bukayo	Power Header	Star Headband	Right-footed	Blonde Hair	Orange Slices
Alex	Power Header	Golden Cleats	Right-footed	Black Hair	Orange Slices
Jude	Power Header	Sticky Gloves	Left-footed	Black Hair	Sport Drinks
Sonny	Bicycle Kick	Star Headband	Left-footed	Blonde Hair	Juice Boxes
Alisson	Rocket Shot	Neon Shin Guards	Right-footed	Red Hair	Juice Boxes
Kylian	Turbo Dribble	Lucky Socks	Right-footed	Blonde Hair	Juice Boxes
Phil	Curving Kick	Lucky Socks	Right-footed	Black Hair	Orange Slices
Mo	Rocket Shot	Neon Shin Guards	Right-footed	Black Hair	Orange Slices
Erling	Rocket Shot	Neon Shin Guards	Left-footed	Black Hair	Sport Drinks
Mason	Curving Kick	Sticky Gloves	Left-footed	Black Hair	Juice Boxes
Luka	Power Header	Sticky Gloves	Left-footed	Black Hair	Juice Boxes
Jack	Bicycle Kick	Star Headband	Left-footed	Black Hair	Orange Slices
Kevin	Bicycle Kick	Sticky Gloves	Right-footed	Black Hair	Orange Slices
Cristiano	Curving Kick	Star Headband	Right-footed	Black Hair	Orange Slices
Luis	Turbo Dribble	Neon Shin Guards	Left-footed	Blonde Hair	Orange Slices
Harry	Power Header	Golden Cleats	Right-footed	Red Hair	Orange Slices

CLUE 1 Addition

We must count all the soccer balls in the bin. Let us add the red balls and blue balls to find the total.

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

T																		
16	7	8	2	5	8	15	3	9	4	19	15	9	8	12	13	20	8	2
		T																
5	20	16	11	8	15	12	19	6	18	3	9	2	20	18	3	2		

$8 + 8 = \square \rightarrow$ T	$1 + 2 = \square \rightarrow$ K	$7 + 8 = \square \rightarrow$ A	$9 + 11 = \square \rightarrow$ O
$1 + 4 = \square \rightarrow$ N	$13 + 5 = \square \rightarrow$ C	$5 + 8 = \square \rightarrow$ D	$6 + 2 = \square \rightarrow$ E
$6 + 5 = \square \rightarrow$ W	$5 + 1 = \square \rightarrow$ U	$5 + 2 = \square \rightarrow$ H	$6 + 6 = \square \rightarrow$ R
$1 + 3 = \square \rightarrow$ P	$8 + 11 = \square \rightarrow$ L	$7 + 2 = \square \rightarrow$ Y	$1 + 1 = \square \rightarrow$ S

Scratch space:

CLUE 2

Subtraction

Some practice cones are missing from the field. Subtract the ones on the grass to see how many were taken.

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

T					T										
3	15	14	13	18	3	6	15	12	18	8	8	4	18	11	

								T							T
2	16	6	2	14	17	4	16	3	15	18	9	16	10	15	3

			T
1	5	5	3

$8 - 5 = \square \rightarrow \boxed{\text{T}}$

$17 - 2 = \square \rightarrow \boxed{\text{H}}$

$17 - 6 = \square \rightarrow \boxed{\text{S}}$

$16 - 4 = \square \rightarrow \boxed{\text{B}}$

$10 - 9 = \square \rightarrow \boxed{\text{F}}$

$15 - 1 = \square \rightarrow \boxed{\text{E}}$

$10 - 8 = \square \rightarrow \boxed{\text{K}}$

$12 - 7 = \square \rightarrow \boxed{\text{O}}$

$13 - 4 = \square \rightarrow \boxed{\text{R}}$

$20 - 2 = \square \rightarrow \boxed{\text{A}}$

$11 - 1 = \square \rightarrow \boxed{\text{G}}$

$11 - 3 = \square \rightarrow \boxed{\text{L}}$

$18 - 1 = \square \rightarrow \boxed{\text{D}}$

$6 - 2 = \square \rightarrow \boxed{\text{W}}$

$18 - 2 = \square \rightarrow \boxed{\text{I}}$

$16 - 3 = \square \rightarrow \boxed{\text{M}}$

$9 - 3 = \square \rightarrow \boxed{\text{C}}$

Scratch space:

CLUE 3 Skip counting

The cleats are lined up by the bench. Let us count them by twos to find how many shoes we have.

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

W																	
30	6	25	90	45	130	110	90	60	10	130	55	6	21	6	6	27	33

27	6	25	140	50	6	8	42	130	110

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

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

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

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

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

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, __, 70, 80 → **R**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, __, 120, 130 → **D**

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

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

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

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

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

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 → **N**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110 → **O**

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

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, __, 150, 160 → **T**

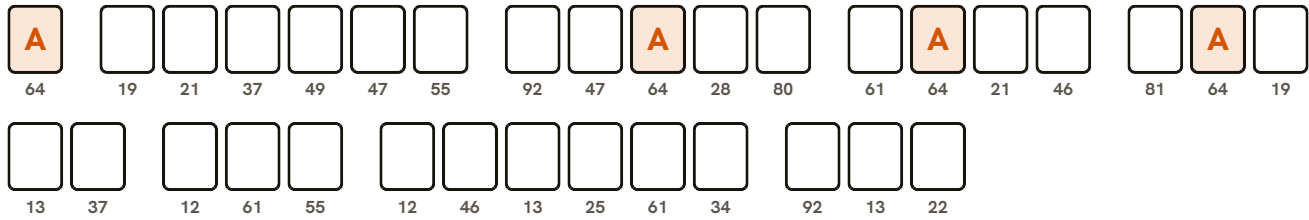
Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, __, 30, 33 → **L**

Scratch space:

CLUE 4 Place value

Look at the giant scoreboard. We need to check the tens and ones digits to read the jersey number.

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



What number has 6 tens and 4 ones? → **A**

What number has 6 tens and 1 one? → **H**

What number has 1 ten and 3 ones? → **O**

What number has 2 tens and 5 ones? → **P**

What number has 9 tens and 2 ones? → **B**

What number has 8 tens and 1 one? → **W**

What number has 2 tens and 2 ones? → **X**

What number has 3 tens and 4 ones? → **Y**

What number has 3 tens and 7 ones? → **N**

What number has 5 tens and 5 ones? → **E**

What number has 8 tens and 0 ones? → **K**

What number has 1 ten and 2 ones? → **T**

What number has 4 tens and 9 ones? → **G**

What number has 4 tens and 6 ones? → **R**

What number has 2 tens and 1 one? → **I**

What number has 4 tens and 7 ones? → **L**

What number has 2 tens and 8 ones? → **C**

What number has 1 ten and 9 ones? → **S**

Scratch space:

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

We need ten water bottles for the team. We have seven. How many more do we need to make ten?

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:

$6 + \underline{\quad} = 18$

$9 + \underline{\quad} = 13$

$9 + \underline{\quad} = 16$

$1 + \underline{\quad} = 10$

$9 + \underline{\quad} = 15$

$7 + \underline{\quad} = 15$

$1 + \underline{\quad} = 2$

$3 + \underline{\quad} = 13$

$9 + \underline{\quad} = 11$

$2 + \underline{\quad} = 5$

$5 + \underline{\quad} = 16$

Step 2 - cross out the sentence with each answer:

1. The villain runs past with a turbo dribble, then slides by in lucky socks.
2. The villain runs past with a turbo dribble, then waves with sticky gloves.
3. The villain nets a power header, then adjusts a star headband.
4. The villain bends a curving free kick, then adjusts a star headband.
5. The villain nets a power header, then runs away in golden cleats.
6. The villain runs past with a turbo dribble, then adjusts a star headband.
7. The villain scores with a bicycle kick, then waves with sticky gloves.
8. The villain scores with a bicycle kick, then slides by in lucky socks.
9. The villain blasts a rocket shot, then adjusts a star headband.
10. The villain scores with a bicycle kick, then runs away in golden cleats.
11. The villain runs past with a turbo dribble, then runs away in golden cleats.
12. The villain blasts a rocket shot, then flashes their neon shin guards.

Answer Key

The Cup Cake Caper

Culprit: Alex

Power Header · Golden Cleats · Right-footed · Black Hair · Orange Slices

Trail: Start 21 → Clue 1 19 → Clue 2 11 → Clue 3 8 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE SNEAKY PLAYER DOES NOT WEAR LUCKY SOCKS"

$8 + 8 = 16$ (T) · $1 + 2 = 3$ (K) · $7 + 8 = 15$ (A) · $9 + 11 = 20$ (O) · $1 + 4 = 5$ (N) · $13 + 5 = 18$ (C) · $5 + 8 = 13$ (D) · $6 + 2 = 8$ (E) · $6 + 5 = 11$ (W) · $5 + 1 = 6$ (U) · $5 + 2 = 7$ (H) · $6 + 6 = 12$ (R) · $1 + 3 = 4$ (P) · $8 + 11 = 19$ (L) · $7 + 2 = 9$ (Y) · $1 + 1 = 2$ (S)

Clue 2 (Subtraction): "THE MATCH BALL WAS KICKED WITH A RIGHT FOOT"

$8 - 5 = 3$ (T) · $17 - 2 = 15$ (H) · $17 - 6 = 11$ (S) · $16 - 4 = 12$ (B) · $10 - 9 = 1$ (F) · $15 - 1 = 14$ (E) · $10 - 8 = 2$ (K) · $12 - 7 = 5$ (O) · $13 - 4 = 9$ (R) · $20 - 2 = 18$ (A) · $11 - 1 = 10$ (G) · $11 - 3 = 8$ (L) · $18 - 1 = 17$ (D) · $6 - 2 = 4$ (W) · $18 - 2 = 16$ (I) · $16 - 3 = 13$ (M) · $9 - 3 = 6$ (C)

Clue 3 (Skip counting): "WE FOUND ORANGE PEELS LEFT BEHIND"

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, __, 35, 40 = 30 (W) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, __, 12, 14 = 10 (A) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, __, 60, 65 = 55 (G) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, __, 30, 35 = 25 (F) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, __, 24, 27 = 21 (P) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, __, 70, 80 = 60 (R) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, __, 120, 130 = 110 (D) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, __, 45, 48 = 42 (I) · Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 = 8 (H) · Skip-count by 2s. Fill the blank: 2, 4, __, 8, 10 = 6 (E) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, __, 55, 60 = 50 (B) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, __, 36, 39 = 33 (S) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 = 130 (N) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110 = 90 (O) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 = 45 (U) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, __, 150, 160 = 140 (T) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, __, 30, 33 = 27 (L)

Clue 4 (Place value): "A SINGLE BLACK HAIR WAS ON THE TROPHY BOX"

What number has 6 tens and 4 ones? = 64 (A) · What number has 6 tens and 1 one? = 61 (H) · What number has 1 ten and 3 ones? = 13 (O) · What number has 2 tens and 5 ones? = 25 (P) · What number has 9 tens and 2 ones? = 92 (B) · What number has 8 tens and 1 one? = 81 (W) · What number has 2 tens and 2 ones? = 22 (X) · What number has 3 tens and 4 ones? = 34 (Y) · What number has 3 tens and 7 ones? = 37 (N) · What number has 5 tens and 5 ones? = 55 (E) · What number has 8 tens and 0 ones? = 80 (K) · What number has 1 ten and 2 ones? = 12 (T) · What number has 4 tens and 9 ones? = 49 (G) · What number has 4 tens and 6 ones? = 46 (R) · What number has 2 tens and 1 one? = 21 (I) · What number has 4 tens and 7 ones? = 47 (L) · What number has 2 tens and 8 ones? = 28 (C) · What number has 1 ten and 9 ones? = 19 (S)

Clue 5 (Missing addends): surviving statement is box 5 → Alex

$6 + \underline{\quad} = 18 = 12$ · $9 + \underline{\quad} = 13 = 4$ · $9 + \underline{\quad} = 16 = 7$ · $1 + \underline{\quad} = 10 = 9$ · $9 + \underline{\quad} = 15 = 6$ · $7 + \underline{\quad} = 15 = 8$ · $1 + \underline{\quad} = 2 = 1$ · $3 + \underline{\quad} = 13 = 10$ · $9 + \underline{\quad} = 11 = 2$ · $2 + \underline{\quad} = 5 = 3$ · $5 + \underline{\quad} = 16 = 11$