



The Big Soccer Mystery

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

Detective: _____ Date: _____

Oh no! The championship soccer match is about to start, but someone has snuck onto the field and made a giant mess. The Team Mascot needs your help to find the sneaky player before the kickoff 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 stadium sneaker is _____

Possible suspects

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

NAME	FAVORITE SKILL	LUCKY GEAR	FAVORED FOOT	HAIR STYLE	FAVORITE SNACK
Bruno	Super Speed	Gold Whistle	Left Footed	Curly Hair	Orange Slices
Mohamed	Gold Glove	Shiny Medal	Right Footed	Short Hair	Grape Juice
Kylian	Mega Kick	Blue Water Bottle	Right Footed	Curly Hair	Orange Slices
Bukayo	Gold Glove	Red Headband	Right Footed	Short Hair	Orange Slices
Luka	Mega Kick	Gold Whistle	Left Footed	Spiky Hair	Grape Juice
Lauren	Tricky Dribble	Shiny Medal	Left Footed	Curly Hair	Orange Slices
Son	High Jump	Shiny Medal	Right Footed	Short Hair	Orange Slices
Antoine	Tricky Dribble	Shiny Medal	Left Footed	Short Hair	Cheese Sticks
Marcus	Tricky Dribble	Neon Cleats	Left Footed	Curly Hair	Cheese Sticks
Lionel	Gold Glove	Neon Cleats	Left Footed	Spiky Hair	Grape Juice
Robert	High Jump	Blue Water Bottle	Right Footed	Curly Hair	Cheese Sticks
Alex	Mega Kick	Gold Whistle	Left Footed	Spiky Hair	Cheese Sticks
Harry	Mega Kick	Neon Cleats	Left Footed	Spiky Hair	Grape Juice
Cristiano	Super Speed	Shiny Medal	Left Footed	Curly Hair	Cheese Sticks
Erling	Gold Glove	Blue Water Bottle	Right Footed	Spiky Hair	Grape Juice
Sam	Mega Kick	Gold Whistle	Left Footed	Curly Hair	Cheese Sticks
Kevin	High Jump	Neon Cleats	Left Footed	Curly Hair	Grape Juice
Lucy	Tricky Dribble	Blue Water Bottle	Left Footed	Spiky Hair	Grape Juice
Megan	Gold Glove	Blue Water Bottle	Left Footed	Curly Hair	Cheese Sticks
Virgil	Gold Glove	Red Headband	Left Footed	Spiky Hair	Grape Juice
Neymar	Super Speed	Blue Water Bottle	Left Footed	Spiky Hair	Orange Slices

CLUE 1 Skip counting

The referee counts the soccer balls on the rack. He skips by twos to find the total. Help him count to get the first clue.

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

T																T
24	120	9	130	22	10	10	100	22	40	45	18	9	8	40	18	24
65	9	100	55	100	55	9	45	120	9	100	45	60	100	40	45	

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, __, 26, 28 → **T**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, __, 70, 75 → **W**

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

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

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, __, 24, 26 → **I**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, __, 65, 70 → **B**

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

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

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, __, 130, 140 → **H**

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

Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 → **E**

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

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

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

Scratch space:

CLUE 2
Multiplication facts (1-12)

The coach sets up cones in neat rows. There are three rows of five cones. Multiply to find the total and unlock the next clue.

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

T																		
8	4	72	27	100	16	5	5	5	4	50	36	5	32	55	12	32	5	
21	100	50	7	16	56	72	21	8	21	50	50	8						

$2 \times 4 = \square \rightarrow \boxed{\text{T}}$

$6 \times 12 = \square \rightarrow \boxed{\text{E}}$

$11 \times 5 = \square \rightarrow \boxed{\text{I}}$

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

$6 \times 2 = \square \rightarrow \boxed{\text{C}}$

$7 \times 8 = \square \rightarrow \boxed{\text{L}}$

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

$8 \times 2 = \square \rightarrow \boxed{\text{A}}$

$7 \times 1 = \square \rightarrow \boxed{\text{M}}$

$1 \times 4 = \square \rightarrow \boxed{\text{H}}$

$10 \times 5 = \square \rightarrow \boxed{\text{O}}$

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

$5 \times 1 = \square \rightarrow \boxed{\text{S}}$

$9 \times 3 = \square \rightarrow \boxed{\text{G}}$

$3 \times 7 = \square \rightarrow \boxed{\text{F}}$

Scratch space:

CLUE 3

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

56 98 95 89 74 37 37 91 74 50 37 95 57 56 91

75 68 97 75 37 95 44 97 91 75 95 81 68 74 34 95 53 75 62 56

$26 + 30 = \boxed{} \rightarrow \boxed{\text{T}}$

$$15 + 35 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$17 + 17 = \boxed{} \rightarrow \text{C}$$

$47 + 21 = \boxed{} \rightarrow \boxed{\text{U}}$

$13 + 24 = \boxed{} \rightarrow \boxed{\text{L}}$

$$30 + 67 = \boxed{} \rightarrow \boxed{\text{R}}$$

$41 + 34 = \square \rightarrow \boxed{\text{P}}$

$56 + 25 = \boxed{} \rightarrow \boxed{\mathbf{J}}$

$$26 + 36 = \boxed{} \rightarrow \boxed{0}$$

$21 + 32 = \boxed{} \rightarrow \boxed{\text{S}}$

$37 + 58 = \boxed{} \rightarrow \boxed{\text{E}}$

$$40 + 49 = \boxed{} \rightarrow \boxed{\mathbf{v}}$$

$16 + 28 = \boxed{} \rightarrow \boxed{\text{G}}$

$29 + 62 = \square \rightarrow \mathbf{A}$

$31 + 26 = \boxed{} \rightarrow \boxed{\text{F}}$

$60 + 38 = \boxed{} \rightarrow \boxed{\text{H}}$

$$45 + 29 = \boxed{} \rightarrow \boxed{}$$

Scratch space:

CLUE 4 Place value

The big stadium scoreboard has a glitch. We must look at the tens and ones places to find the correct score and get a clue.

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

A							A					A	
74	84	79	93	33	75	49	74	93	95	29	74	84	
		A											
77	95	74	79	79	89	28	87	92	77	49	89	92	89

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

What number has 8 tens and 7 ones? → **O**

What number has 7 tens and 7 ones? → **T**

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

What number has 9 tens and 3 ones? → **I**

What number has 9 tens and 5 ones? → **R**

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

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

What number has 7 tens and 5 ones? → **Y**

What number has 8 tens and 4 ones? → **S**

What number has 3 tens and 3 ones? → **K**

What number has 8 tens and 9 ones? → **E**

What number has 7 tens and 9 ones? → **P**

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

Scratch space:

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

Some practice jerseys are missing from the big bag. We know the total we need. Find the missing number to get 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:

$10 + \underline{\quad} = 12$

$2 + \underline{\quad} = 14$

$8 + \underline{\quad} = 15$

$9 + \underline{\quad} = 10$

$9 + \underline{\quad} = 19$

$3 + \underline{\quad} = 6$

$4 + \underline{\quad} = 8$

$3 + \underline{\quad} = 11$

$10 + \underline{\quad} = 19$

$3 + \underline{\quad} = 9$

$8 + \underline{\quad} = 19$

Step 2 - cross out the sentence with each answer:

1. The villain takes the coach clipboard, then zips past the goalie.
2. The villain hides the championship ball, then runs away laughing.
3. The villain takes the coach clipboard, then runs away laughing.
4. The villain messes up the grass field, then zips past the goalie.
5. The villain mixes up the team jerseys, then runs away laughing.
6. The villain takes the coach clipboard, then jumps over the stadium fence.
7. The villain hides the championship ball, then zips past the goalie.
8. The villain takes the coach clipboard, then kicks a ball into the lights.
9. The villain steals the golden trophy, then runs away laughing.
10. The villain steals the golden trophy, then kicks a ball into the lights.
11. The villain mixes up the team jerseys, then jumps over the stadium fence.
12. The villain messes up the grass field, then leaves muddy tracks behind.

Answer Key

The Big Soccer Mystery

Culprit: Lionel

Gold Glove · Neon Cleats · Left Footed · Spiky Hair · Grape Juice

Trail: Start 21 → Clue 1 19 → Clue 2 14 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Skip counting): "THE VILLAIN DOES NOT WEAR A RED HEADBAND"

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, __, 26, 28 = 24 (T) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, __, 70, 75 = 65 (W) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 = 45 (D) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, __, 12, 14 = 10 (L) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, __, 24, 26 = 22 (I) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, __, 65, 70 = 60 (B) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 = 130 (V) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, __, 45, 50 = 40 (N) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, __, 130, 140 = 120 (H) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, __, 21, 24 = 18 (O) · Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 = 9 (E) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, __, 60, 65 = 55 (R) · Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 = 8 (S) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, __, 110, 120 = 100 (A)

Clue 2 (Multiplication facts (1-12)): "THE GRASS SHOWS KICKS FROM A LEFT FOOT"

$2 \times 4 = 8$ (T) · $6 \times 12 = 72$ (E) · $11 \times 5 = 55$ (I) · $4 \times 9 = 36$ (W) · $6 \times 2 = 12$ (C) · $7 \times 8 = 56$ (L) · $8 \times 4 = 32$ (K) · $8 \times 2 = 16$ (A) · $7 \times 1 = 7$ (M) · $1 \times 4 = 4$ (H) · $10 \times 5 = 50$ (O) · $10 \times 10 = 100$ (R) · $5 \times 1 = 5$ (S) · $9 \times 3 = 27$ (G) · $3 \times 7 = 21$ (F)

Clue 3 (Addition): "THE VILLAIN LEFT A PURPLE GRAPE JUICE SPOT"

$26 + 30 = 56$ (T) · $15 + 35 = 50$ (N) · $17 + 17 = 34$ (C) · $47 + 21 = 68$ (U) · $13 + 24 = 37$ (L) · $30 + 67 = 97$ (R) · $41 + 34 = 75$ (P) · $56 + 25 = 81$ (J) · $26 + 36 = 62$ (O) · $21 + 32 = 53$ (S) · $37 + 58 = 95$ (E) · $40 + 49 = 89$ (V) · $16 + 28 = 44$ (G) · $29 + 62 = 91$ (A) · $31 + 26 = 57$ (F) · $60 + 38 = 98$ (H) · $45 + 29 = 74$ (I)

Clue 4 (Place value): "A SPIKY HAIR WAS TRAPPED ON THE NET"

What number has 7 tens and 4 ones? = 74 (A) · What number has 8 tens and 7 ones? = 87 (O) · What number has 7 tens and 7 ones? = 77 (T) · What number has 9 tens and 2 ones? = 92 (N) · What number has 9 tens and 3 ones? = 93 (I) · What number has 9 tens and 5 ones? = 95 (R) · What number has 2 tens and 8 ones? = 28 (D) · What number has 4 tens and 9 ones? = 49 (H) · What number has 7 tens and 5 ones? = 75 (Y) · What number has 8 tens and 4 ones? = 84 (S) · What number has 3 tens and 3 ones? = 33 (K) · What number has 8 tens and 9 ones? = 89 (E) · What number has 7 tens and 9 ones? = 79 (P) · What number has 2 tens and 9 ones? = 29 (W)

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

$10 + \underline{\quad} = 12 = 2$ · $2 + \underline{\quad} = 14 = 12$ · $8 + \underline{\quad} = 15 = 7$ · $9 + \underline{\quad} = 10 = 1$ · $9 + \underline{\quad} = 19 = 10$ · $3 + \underline{\quad} = 6 = 3$ · $4 + \underline{\quad} = 8 = 4$ · $3 + \underline{\quad} = 11 = 8$ · $10 + \underline{\quad} = 19 = 9$ · $3 + \underline{\quad} = 9 = 6$ · $8 + \underline{\quad} = 19 = 11$