



The Case of the Missing Golden Trophy

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

Detective: _____ Date: _____

Oh no! The big golden trophy is gone right before the final soccer game. The Sneaky Striker took it from the locker room. Can you help the Team Mascot find the trophy?

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 Sneaky Striker is _____

Possible suspects

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

NAME	SOCCER SKILL	SOCCER GEAR	SHOOTING FOOT	HAIR STYLE	WEAKNESS
Bukayo	laser pass	shiny metal medal	left foot shooter	curly blue hair	muddy puddles
Neymar	mega fast dribble	bouncing headbands	left foot shooter	curly blue hair	muddy puddles
Jude	mega fast dribble	shiny metal medal	right foot shooter	bright pink hair	loud referee whistle
Marcus	mega fast dribble	glowing cleats	right foot shooter	bright pink hair	muddy puddles
Alex	giant goalie leap	shiny metal medal	right foot shooter	spiky green hair	loud referee whistle
Cristiano	laser pass	super sticky gloves	right foot shooter	spiky green hair	squeaky clean grass
Mohamed	rocket shot	super sticky gloves	right foot shooter	curly blue hair	squeaky clean grass
Virgil	mega fast dribble	bouncing headbands	right foot shooter	spiky green hair	muddy puddles
Lionel	giant goalie leap	shiny metal medal	right foot shooter	curly blue hair	loud referee whistle
Alessia	super bicycle kick	glowing cleats	left foot shooter	spiky green hair	muddy puddles
Chloe	laser pass	shiny metal medal	right foot shooter	spiky green hair	muddy puddles
Bruno	super bicycle kick	golden whistle	right foot shooter	spiky green hair	muddy puddles
Kevin	laser pass	shiny metal medal	right foot shooter	bright pink hair	squeaky clean grass
Jack	super bicycle kick	bouncing headbands	left foot shooter	bright pink hair	loud referee whistle
Luka	laser pass	super sticky gloves	right foot shooter	spiky green hair	loud referee whistle
Harry	mega fast dribble	shiny metal medal	right foot shooter	spiky green hair	muddy puddles
Son	giant goalie leap	glowing cleats	left foot shooter	bright pink hair	loud referee whistle
Sam	laser pass	shiny metal medal	right foot shooter	curly blue hair	loud referee whistle
Zlatan	giant goalie leap	golden whistle	right foot shooter	spiky green hair	muddy puddles
Erling	laser pass	glowing cleats	right foot shooter	bright pink hair	squeaky clean grass
Kylian	giant goalie leap	bouncing headbands	right foot shooter	bright pink hair	muddy puddles

CLUE 1 Place value

The stadium scoreboard has some broken lights. If we count the tens and ones on the board, we can find our first clue!

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

T								T								
35	73	92	88	55	77	66	77	35	71	92	95	33				
76	77	34	66	59	99	66	81	73	92	95	55	76	95	66	55	38

What number has 3 tens and 5 ones? → **T**

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

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

What number has 7 tens and 1 one? → **W**

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

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

What number has 6 tens and 6 ones? → **N**

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

What number has 3 tens and 8 ones? → **S**

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

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

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

What number has 7 tens and 6 ones? → **B**

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

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

What number has 8 tens and 8 ones? → **Y**

Scratch space:

CLUE 2

Let us count the soccer balls left on the practice field. We can add the clean balls and the muddy balls to get a clue!

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

81 75 36 83 72 21 21 43 84 85 85 81 63 27 69 91 81 47 95 60

84 27 85 83 95 27 69 56 75 81 84 85 85 81

$$56 + 25 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$25 + 18 = \boxed{} \rightarrow \boxed{\text{Y}}$$

$29 + 46 = \boxed{} \rightarrow \boxed{\text{H}}$

$$31 + 16 = \boxed{} \rightarrow \boxed{W}$$

$13 + 23 = \boxed{} \rightarrow \boxed{\text{E}}$

$54 + 31 = \boxed{} \rightarrow \boxed{0}$

$13 + 8 = \square \rightarrow \boxed{\mathbf{D}}$

$36 + 20 = \boxed{} \rightarrow \boxed{\text{G}}$

$53 + 31 = \boxed{} \rightarrow \boxed{\text{F}}$

$$45 + 24 = \boxed{} \rightarrow \boxed{}$$

$$51 + 32 = \boxed{} \rightarrow \boxed{\text{M}}$$

$43 + 52 = \boxed{} \rightarrow \boxed{\mathbf{A}}$

$21 + 42 = \boxed{} \rightarrow \mathbf{P}$

$$41 + 19 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$47 + 44 = \boxed{} \rightarrow \boxed{\mathbf{N}}$$

$9 + 18 = \boxed{} \rightarrow \boxed{\mathbf{R}}$

$$39 + 33 = \boxed{} \rightarrow \boxed{\mathbf{U}}$$

Scratch space:

CLUE 3
Subtraction

Someone took orange cones from the pile. If we subtract the remaining cones from the starting number, we will get a new clue!

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

M																	
88	11	74	74	73	18	11	74	74	57	33	48	48	57	72	70	33	74

			M				
76	38	33	88	74	72	70	23

93 - 5 = → M	76 - 2 = → D	44 - 33 = → U
101 - 31 = → W	77 - 1 = → T	99 - 27 = → O
67 - 29 = → H	113 - 40 = → Y	67 - 10 = → L
53 - 35 = → P	31 - 8 = → N	40 - 7 = → E
60 - 12 = → S		

Scratch space:

CLUE 4 Skip counting

Look at the soccer shoes lined up in the locker room. We can skip count them by twos to find the total and unlock a clue!

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

W																	
21	120	60	36	28	30	39	15	80	25	9	24	10	16	22	120	120	30

40	15	9	22

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

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

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

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

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

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

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

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

Skip-count by 10s. Fill the blank: 10, 20, __, 40, 50 → **N**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, __, 42, 45 → **D**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, __, 39, 42 → **O**

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

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

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, __, 30, 32 → **U**

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

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

Scratch space:

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

The team ball bag is not full. We need ten balls, so let us find the missing number to get our 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:

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

$4 + \underline{\quad} = 12$

$7 + \underline{\quad} = 8$

$7 + \underline{\quad} = 12$

$7 + \underline{\quad} = 17$

$8 + \underline{\quad} = 20$

$6 + \underline{\quad} = 17$

$7 + \underline{\quad} = 13$

$3 + \underline{\quad} = 5$

$5 + \underline{\quad} = 14$

$7 + \underline{\quad} = 14$

Step 2 - cross out the sentence with each answer:

1. The villain sends a laser pass, then polishes the shiny metal medal.
2. The villain performs a mega fast dribble, then puts on super sticky gloves.
3. The villain does a super bicycle kick, then blows the golden whistle.
4. The villain performs a mega fast dribble, then polishes the shiny metal medal.
5. The villain performs a mega fast dribble, then snaps the bouncing headbands.
6. The villain does a super bicycle kick, then puts on super sticky gloves.
7. The villain fires a rocket shot, then polishes the shiny metal medal.
8. The villain makes a giant goalie leap, then blows the golden whistle.
9. The villain makes a giant goalie leap, then snaps the bouncing headbands.
10. The villain performs a mega fast dribble, then lights up their glowing cleats.
11. The villain fires a rocket shot, then blows the golden whistle.
12. The villain makes a giant goalie leap, then lights up their glowing cleats.

Answer Key

The Case of the Missing Golden Trophy

Culprit: Bruno

super bicycle kick · golden whistle · right foot shooter · spiky green hair · muddy puddles

Trail: Start 21 → Clue 1 17 → Clue 2 14 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THEY DO NOT WEAR BOUNCING HEADBANDS"

What number has 3 tens and 5 ones? = 35 (T) · What number has 9 tens and 9 ones? = 99 (I) · What number has 9 tens and 2 ones? = 92 (E) · What number has 7 tens and 1 one? = 71 (W) · What number has 8 tens and 1 one? = 81 (G) · What number has 3 tens and 4 ones? = 34 (U) · What number has 6 tens and 6 ones? = 66 (N) · What number has 7 tens and 3 ones? = 73 (H) · What number has 3 tens and 8 ones? = 38 (S) · What number has 5 tens and 5 ones? = 55 (D) · What number has 5 tens and 9 ones? = 59 (C) · What number has 7 tens and 7 ones? = 77 (O) · What number has 7 tens and 6 ones? = 76 (B) · What number has 3 tens and 3 ones? = 33 (R) · What number has 9 tens and 5 ones? = 95 (A) · What number has 8 tens and 8 ones? = 88 (Y)

Clue 2 (Addition): "THE MUDDY FOOTPRINT WAS FROM A RIGHT FOOT"

$56 + 25 = 81$ (T) · $25 + 18 = 43$ (Y) · $29 + 46 = 75$ (H) · $31 + 16 = 47$ (W) · $13 + 23 = 36$ (E) · $54 + 31 = 85$ (O) · $13 + 8 = 21$ (D) · $36 + 20 = 56$ (G) · $53 + 31 = 84$ (F) · $45 + 24 = 69$ (I) · $51 + 32 = 83$ (M) · $43 + 52 = 95$ (A) · $21 + 42 = 63$ (P) · $41 + 19 = 60$ (S) · $47 + 44 = 91$ (N) · $9 + 18 = 27$ (R) · $39 + 33 = 72$ (U)

Clue 3 (Subtraction): "MUDDY PUDDLES SLOWED THEM DOWN"

$93 - 5 = 88$ (M) · $76 - 2 = 74$ (D) · $44 - 33 = 11$ (U) · $101 - 31 = 70$ (W) · $77 - 1 = 76$ (T) · $99 - 27 = 72$ (O) · $67 - 29 = 38$ (H) · $113 - 40 = 73$ (Y) · $67 - 10 = 57$ (L) · $53 - 35 = 18$ (P) · $31 - 8 = 23$ (N) · $40 - 7 = 33$ (E) · $60 - 12 = 48$ (S)

Clue 4 (Skip counting): "WE FOUND A SPIKY GREEN HAIR"

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, __, 24, 27 = 21 (W) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, __, 26, 28 = 24 (K) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, __, 70, 80 = 60 (F) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, __, 45, 50 = 40 (H) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, __, 12, 14 = 10 (Y) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, __, 24, 26 = 22 (R) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, __, 30, 35 = 25 (P) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, __, 130, 140 = 120 (E) · Skip-count by 10s. Fill the blank: 10, 20, __, 40, 50 = 30 (N) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, __, 39, 42 = 36 (O) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, __, 39, 42 = 36 (O) · Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 = 9 (I) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, __, 18, 21 = 15 (A) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, __, 30, 32 = 28 (U) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, __, 90, 100 = 80 (S) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, __, 18, 20 = 16 (G)

Clue 5 (Missing addends): surviving statement is box 3 → Bruno

$9 + \underline{\quad} = 13 = 4$ · $4 + \underline{\quad} = 12 = 8$ · $7 + \underline{\quad} = 8 = 1$ · $7 + \underline{\quad} = 12 = 5$ · $7 + \underline{\quad} = 17 = 10$ · $8 + \underline{\quad} = 20 = 12$ · $6 + \underline{\quad} = 17 = 11$ · $7 + \underline{\quad} = 13 = 6$ · $3 + \underline{\quad} = 5 = 2$ · $5 + \underline{\quad} = 14 = 9$ · $7 + \underline{\quad} = 14 = 7$