



The Case of the Golden Soccer Trophy

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

Detective: _____ Date: _____

The big game is today, but someone took the Golden Cup from the trophy case! There are muddy footprints on the field. Use your math skills to help the Team Captain find the Trophy Thief before the 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 Trophy Thief 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	LUCKY GEAR	KICKING FOOT	TEAM HEADBAND	MATCH STOPPER
Peter Pitch	giant goalie glove	glow in the dark ball	left footed kick	red headband	splash of water
Sally Score	super fast run	gold shin guards	left footed kick	green headband	yellow penalty card
Bella Bold	giant goalie glove	neon orange cleats	left footed kick	red headband	splash of water
Penny Penalty	giant goalie glove	neon orange cleats	right footed kick	red headband	splash of water
Tobias Turf	super fast run	stripes on socks	left footed kick	red headband	splash of water
Sammy Striker	giant goalie glove	neon orange cleats	left footed kick	red headband	yellow penalty card
Gus Grass	giant goalie glove	silver whistle	right footed kick	blue headband	splash of water
Freddy Forward	super fast run	silver whistle	right footed kick	blue headband	splash of water
Gaby Goal	mega power kick	neon orange cleats	left footed kick	blue headband	squeaky toy noise
Pip Pass	mega power kick	neon orange cleats	right footed kick	blue headband	yellow penalty card
Sasha Save	trick dribble	neon orange cleats	right footed kick	green headband	squeaky toy noise
Timmy Team	trick dribble	glow in the dark ball	right footed kick	green headband	splash of water
Hal Header	high jump header	glow in the dark ball	left footed kick	red headband	splash of water
Zoe Zone	high jump header	stripes on socks	left footed kick	red headband	squeaky toy noise
Rex Referee	trick dribble	stripes on socks	left footed kick	red headband	splash of water
Danny Dribble	trick dribble	neon orange cleats	right footed kick	green headband	yellow penalty card
Willa Whistle	giant goalie glove	neon orange cleats	right footed kick	red headband	yellow penalty card
Cleo Cleat	mega power kick	glow in the dark ball	left footed kick	blue headband	splash of water
Tanya Trophy	mega power kick	stripes on socks	left footed kick	green headband	splash of water
Leo Kick	mega power kick	glow in the dark ball	right footed kick	green headband	splash of water
Benny Boot	trick dribble	gold shin guards	left footed kick	red headband	splash of water

CLUE 1 Addition

Coach needs to count the practice soccer balls. We add the red balls and blue balls together to find the total.

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

T																		
5	17	14	11	10	14	6	19	3	16	4	15	15	6	4	10	17	6	11
10	8	11	5	13	4	20	14	11	8	10	11	8	2	19	11			

$4 + 1 = \square \rightarrow$ T	$6 + 4 = \square \rightarrow$ N	$8 + 5 = \square \rightarrow$ R	$4 + 7 = \square \rightarrow$ S
$7 + 8 = \square \rightarrow$ L	$9 + 7 = \square \rightarrow$ V	$11 + 9 = \square \rightarrow$ P	$4 + 2 = \square \rightarrow$ A
$5 + 3 = \square \rightarrow$ O	$5 + 12 = \square \rightarrow$ H	$7 + 7 = \square \rightarrow$ E	$2 + 1 = \square \rightarrow$ Y
$1 + 3 = \square \rightarrow$ I	$8 + 11 = \square \rightarrow$ K	$1 + 1 = \square \rightarrow$ C	

Scratch space:

CLUE 2 Subtraction

Some cones are missing from the field. We start with our total and subtract the ones we still have to find the lost ones.

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

T																		
3	18	11	5	17	16	12	12	9	16	12	10	19	14	10	11	4	13	2

				T				T
16	7	11	1	3	1	6	6	3

$7 - 4 = \square \rightarrow \boxed{\text{T}}$

$9 - 8 = \square \rightarrow \boxed{\text{F}}$

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

$16 - 2 = \square \rightarrow \boxed{\text{C}}$

$19 - 6 = \square \rightarrow \boxed{\text{B}}$

$20 - 1 = \square \rightarrow \boxed{\text{I}}$

$8 - 4 = \square \rightarrow \boxed{\text{D}}$

$16 - 5 = \square \rightarrow \boxed{\text{E}}$

$19 - 3 = \square \rightarrow \boxed{\text{A}}$

$11 - 4 = \square \rightarrow \boxed{\text{L}}$

$12 - 2 = \square \rightarrow \boxed{\text{K}}$

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

$18 - 9 = \square \rightarrow \boxed{\text{W}}$

$13 - 7 = \square \rightarrow \boxed{\text{O}}$

$13 - 1 = \square \rightarrow \boxed{\text{S}}$

$7 - 5 = \square \rightarrow \boxed{\text{Y}}$

$14 - 9 = \square \rightarrow \boxed{\text{G}}$

Scratch space:

CLUE 3 Skip counting

The team is lining up in pairs. We skip count by twos down the line to see how many players are ready.

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

T																			
20	30	39	60	45	50	50	110	45	90	28	30	15	110	90	42	21	15	27	24
110	28	10	50	110	28	30	27	21	33	110	20	39	15						

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Scratch space:

CLUE 4
Place value

A jersey number is on the scoreboard. We look at the tens and ones places to read the digit.

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

A						A			A					A	
95	18	36	60	68	36	95	60	14	95	77	60	37	95	79	

								A						A	
60	18	92	52	52	36	60	77	36	95	18	23	68	36	88	92

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

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

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

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

What number has 6 tens and 0 ones? → **D**

What number has 2 tens and 3 ones? → **T**

What number has 3 tens and 6 ones? → **E**

What number has 1 ten and 4 ones? → **B**

What number has 9 tens and 0 ones? → **L**

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

What number has 1 ten and 8 ones? → **R**

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

What number has 6 tens and 8 ones? → **H**

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

Scratch space:

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

We need eleven players on the field. We have eight players now, so we find how many more we need to make eleven.

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:

$4 + \underline{\quad} = 5$

$4 + \underline{\quad} = 10$

$2 + \underline{\quad} = 4$

$1 + \underline{\quad} = 9$

$10 + \underline{\quad} = 17$

$1 + \underline{\quad} = 4$

$2 + \underline{\quad} = 11$

$9 + \underline{\quad} = 14$

$7 + \underline{\quad} = 18$

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

$1 + \underline{\quad} = 5$

Step 2 - cross out the sentence with each answer:

1. The villain leaps high into the air, then hides the glow in the dark ball.
2. The villain blocks the championship shot, then hides the glow in the dark ball.
3. The villain blasts the ball into the net, then runs away in neon orange cleats.
4. The villain blasts the ball into the net, then pulls up their stripes on socks.
5. The villain zooms down the soccer field, then hides the glow in the dark ball.
6. The villain blocks the championship shot, then runs away in neon orange cleats.
7. The villain zooms down the soccer field, then blows a loud silver whistle.
8. The villain leaps high into the air, then runs away in neon orange cleats.
9. The villain blocks the championship shot, then pulls up their stripes on socks.
10. The villain spins past the defenders, then flashes their gold shin guards.
11. The villain zooms down the soccer field, then flashes their gold shin guards.
12. The villain spins past the defenders, then blows a loud silver whistle.

Answer Key

The Case of the Golden Soccer Trophy

Culprit: Benny Boot

trick dribble · gold shin guards · left footed kick · red headband · splash of water

Trail: Start 21 → Clue 1 17 → Clue 2 8 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE SNEAKY VILLAIN HAS NO STRIPES ON SOCKS"

$4 + 1 = 5$ (T) · $6 + 4 = 10$ (N) · $8 + 5 = 13$ (R) · $4 + 7 = 11$ (S) · $7 + 8 = 15$ (L) · $9 + 7 = 16$ (V) · $11 + 9 = 20$ (P) · $4 + 2 = 6$ (A) · $5 + 3 = 8$ (O) · $5 + 12 = 17$ (H) · $7 + 7 = 14$ (E) · $2 + 1 = 3$ (Y) · $1 + 3 = 4$ (I) · $8 + 11 = 19$ (K) · $1 + 1 = 2$ (C)

Clue 2 (Subtraction): "THE GRASS WAS KICKED BY A LEFT FOOT"

$7 - 4 = 3$ (T) · $9 - 8 = 1$ (F) · $18 - 1 = 17$ (R) · $16 - 2 = 14$ (C) · $19 - 6 = 13$ (B) · $20 - 1 = 19$ (I) · $8 - 4 = 4$ (D) · $16 - 5 = 11$ (E) · $19 - 3 = 16$ (A) · $11 - 4 = 7$ (L) · $12 - 2 = 10$ (K) · $20 - 2 = 18$ (H) · $18 - 9 = 9$ (W) · $13 - 7 = 6$ (O) · $13 - 1 = 12$ (S) · $7 - 5 = 2$ (Y) · $14 - 9 = 5$ (G)

Clue 3 (Skip counting): "THE VILLAIN SHRANK FROM A SPLASH OF WATER"

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, __, 22, 24 = 20 (T) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, __, 120, 130 = 110 (A) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110 = 90 (N) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 = 45 (I) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, __, 24, 27 = 21 (F) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, __, 18, 21 = 15 (R) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, __, 27, 30 = 24 (M) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, __, 36, 39 = 33 (W) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, __, 30, 33 = 27 (O) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, __, 42, 45 = 39 (E) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, __, 30, 32 = 28 (S) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, __, 70, 80 = 60 (V) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, __, 60, 70 = 50 (L) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, __, 12, 14 = 10 (P) · Skip-count by 10s. Fill the blank: 10, 20, __, 40, 50 = 30 (H) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, __, 45, 48 = 42 (K)

Clue 4 (Place value): "A RED HEADBAND WAS DROPPED NEAR THE GOAL"

What number has 9 tens and 5 ones? = 95 (A) · What number has 5 tens and 2 ones? = 52 (P) · What number has 9 tens and 2 ones? = 92 (O) · What number has 7 tens and 9 ones? = 79 (S) · What number has 6 tens and 0 ones? = 60 (D) · What number has 2 tens and 3 ones? = 23 (T) · What number has 3 tens and 6 ones? = 36 (E) · What number has 1 ten and 4 ones? = 14 (B) · What number has 9 tens and 0 ones? = 90 (L) · What number has 7 tens and 7 ones? = 77 (N) · What number has 1 ten and 8 ones? = 18 (R) · What number has 3 tens and 7 ones? = 37 (W) · What number has 6 tens and 8 ones? = 68 (H) · What number has 8 tens and 8 ones? = 88 (G)

Clue 5 (Missing addends): surviving statement is box 10 → Benny Boot

$4 + \underline{\quad} = 5 = 1$ · $4 + \underline{\quad} = 10 = 6$ · $2 + \underline{\quad} = 4 = 2$ · $1 + \underline{\quad} = 9 = 8$ · $10 + \underline{\quad} = 17 = 7$ · $1 + \underline{\quad} = 4 = 3$ · $2 + \underline{\quad} = 11 = 9$ · $9 + \underline{\quad} = 14 = 5$ · $7 + \underline{\quad} = 18 = 11$ · $6 + \underline{\quad} = 18 = 12$ · $1 + \underline{\quad} = 5 = 4$