

The Great Soccer Pitch Mystery

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

Detective: _____ Date: _____

Oh no! The big championship match is today. But someone has stolen the Golden Trophy! Coach Pete and the Star Kickers need your help. Follow the clues on the soccer field to find the Sneaky Striker!

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	SIGNATURE MOVE	LUCKY GEAR	KICKING FOOT	HEADWEAR	BIG WEAKNESS
Bukayo	Fast Dribble	Blue Captain Band	Right Footed	Bright Red Cap	Muddy Field
Julie	Curve Shot	Shiny Shin Guards	Right Footed	No Hat	Muddy Field
Christian	Power Kick	Blue Captain Band	Left Footed	Neon Green Headband	Squeaky Toy
Rose	Super Header	Glow Whistle	Right Footed	No Hat	Loud Whistle
Harry	Fast Dribble	Shiny Shin Guards	Left Footed	No Hat	Muddy Field
Marta	Fast Dribble	Glow Whistle	Right Footed	Bright Red Cap	Squeaky Toy
Carli	Curve Shot	Red Card	Right Footed	Bright Red Cap	Squeaky Toy
Leo	Power Kick	Shiny Shin Guards	Left Footed	Neon Green Headband	Squeaky Toy
Megan	Fast Dribble	Golden Cleats	Left Footed	No Hat	Loud Whistle
Tobin	Fast Dribble	Glow Whistle	Left Footed	Bright Red Cap	Loud Whistle
Landon	Power Kick	Red Card	Right Footed	No Hat	Loud Whistle
Alex	Super Header	Golden Cleats	Right Footed	Bright Red Cap	Muddy Field
Sonny	Super Header	Blue Captain Band	Left Footed	No Hat	Muddy Field
Kevin	Power Kick	Shiny Shin Guards	Left Footed	Bright Red Cap	Muddy Field
Sam	Fast Dribble	Red Card	Left Footed	Neon Green Headband	Muddy Field
Mia	Curve Shot	Shiny Shin Guards	Left Footed	No Hat	Loud Whistle
Zlatan	Fast Dribble	Glow Whistle	Left Footed	No Hat	Muddy Field
Hope	Super Header	Golden Cleats	Right Footed	Bright Red Cap	Squeaky Toy
Timmy	Power Kick	Golden Cleats	Left Footed	No Hat	Muddy Field
Erling	Power Kick	Glow Whistle	Left Footed	No Hat	Loud Whistle
Marcus	Power Kick	Red Card	Left Footed	No Hat	Muddy Field

CLUE 1 Addition

Coach Pete needs to count the practice soccer balls. He adds the green bag to the blue bag. Help him find the total to get a clue!

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

73 89 71 40 60 71 54 98 78 42 85 71 34 85 71 40 60 85 73

89 54 38 71 73 89 71 57 71 34 70 54 57 34

$46 + 27 = \boxed{} \rightarrow \boxed{\text{T}}$

$$16 + 22 = \boxed{} \rightarrow \boxed{\mathbf{V}}$$

$20 + 34 = \boxed{} \rightarrow \boxed{\mathbf{A}}$

$39 + 31 = \boxed{} \rightarrow \boxed{\text{C}}$

$38 + 40 = \boxed{} \rightarrow \boxed{\text{Y}}$

$13 + 27 = \boxed{} \rightarrow \boxed{\text{S}}$

$21 + 13 = \boxed{} \rightarrow \boxed{\text{D}}$

$32 + 39 = \boxed{} \rightarrow \boxed{\text{E}}$

$41 + 57 = \boxed{} \rightarrow \boxed{\text{K}}$

$$21 + 36 = \boxed{} \rightarrow \boxed{\text{R}}$$

$$28 + 32 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$51 + 38 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$50 + 35 = \boxed{} \rightarrow \boxed{0}$$

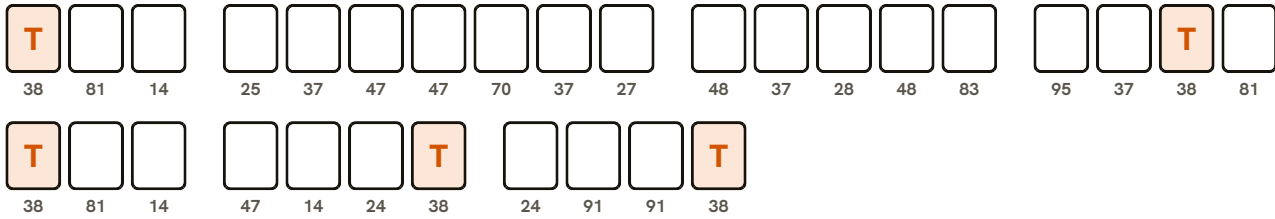
$18 + 24 = \boxed{} \rightarrow \boxed{\text{F}}$

Scratch space:

CLUE 2 Place value

The team has boxes of shin guards. We count them by tens and ones. Look at the place value blocks to see what we found!

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



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

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

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

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

What number has 2 tens and 4 ones? → **F**

What number has 7 tens and 0 ones? → **A**

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

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

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

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

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

What number has 2 tens and 7 ones? → **N**

What number has 9 tens and 1 one? → **O**

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

Scratch space:

CLUE 3 Subtraction

Oh no! Some orange cones fell out of the gear bag. We must subtract the lost cones to see how many we have left.

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

T																	
76	79	34	32	20	34	50	37	40	14	63	34	32	15	81	86	32	63 20
50	18	25	22	22	40	14	81	34	15	22							

$100 - 24 = \square \rightarrow \text{T}$	$42 - 8 = \square \rightarrow \text{E}$	$64 - 14 = \square \rightarrow \text{A}$
$41 - 4 = \square \rightarrow \text{K}$	$38 - 13 = \square \rightarrow \text{U}$	$16 - 1 = \square \rightarrow \text{L}$
$36 - 4 = \square \rightarrow \text{S}$	$115 - 29 = \square \rightarrow \text{P}$	$46 - 6 = \square \rightarrow \text{Y}$
$95 - 32 = \square \rightarrow \text{O}$	$86 - 5 = \square \rightarrow \text{I}$	$55 - 37 = \square \rightarrow \text{M}$
$32 - 12 = \square \rightarrow \text{N}$	$29 - 15 = \square \rightarrow \text{F}$	$119 - 40 = \square \rightarrow \text{H}$
$62 - 40 = \square \rightarrow \text{D}$		

Scratch space:

CLUE 4 Skip counting

We need to line up the team socks in pairs. Let us skip count by twos to make sure we have enough for the game!

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

T																	
30	6	35	40	21	35	14	33	50	55	60	35	42	60	70	35	21	60
		T		T													
6	14	30	14	30	14	65	65										

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

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, __, 75, 80 → **R**

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

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

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

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

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

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

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

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

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

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

Scratch space:

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

Our water bottle rack has empty spots. We need to find the missing number of bottles to fill it up completely!

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:

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

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

$2 + \underline{\quad} = 13$

$4 + \underline{\quad} = 7$

$3 + \underline{\quad} = 15$

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

$4 + \underline{\quad} = 14$

$5 + \underline{\quad} = 11$

$2 + \underline{\quad} = 7$

$3 + \underline{\quad} = 4$

$9 + \underline{\quad} = 17$

Step 2 - cross out the sentence with each answer:

1. The villain takes all the soccer balls, then blows a loud horn.
2. The villain hides the team's lucky nets, then kicks a ball over the fence.
3. The villain swipes the shiny corner flags, then runs across the pitch.
4. The villain takes all the soccer balls, then leaves muddy footprints.
5. The villain grabs the goalie gloves, then blows a loud horn.
6. The villain swipes the shiny corner flags, then blows a loud horn.
7. The villain grabs the goalie gloves, then leaves muddy footprints.
8. The villain takes all the soccer balls, then runs across the pitch.
9. The villain hides the team's lucky nets, then blows a loud horn.
10. The villain takes all the soccer balls, then kicks a ball over the fence.
11. The villain steals the golden championship trophy, then runs across the pitch.
12. The villain hides the team's lucky nets, then runs across the pitch.

Answer Key

The Great Soccer Pitch Mystery

Culprit: Sonny

Super Header · Blue Captain Band · Left Footed · No Hat · Muddy Field

Trail: Start 21 → Clue 1 17 → Clue 2 11 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE SNEAKY FOE DOES NOT HAVE THE RED CARD"

$46 + 27 = 73$ (T) · $16 + 22 = 38$ (V) · $20 + 34 = 54$ (A) · $39 + 31 = 70$ (C) · $38 + 40 = 78$ (Y) · $13 + 27 = 40$ (S) · $21 + 13 = 34$ (D) · $32 + 39 = 71$ (E) · $41 + 57 = 98$ (K) · $21 + 36 = 57$ (R) · $28 + 32 = 60$ (N) · $51 + 38 = 89$ (H) · $50 + 35 = 85$ (O) · $18 + 24 = 42$ (F)

Clue 2 (Place value): "THE VILLAIN KICKS WITH THE LEFT FOOT"

What number has 3 tens and 8 ones? = 38 (T) · What number has 4 tens and 7 ones? = 47 (L) · What number has 3 tens and 7 ones? = 37 (I) · What number has 8 tens and 3 ones? = 83 (S) · What number has 2 tens and 4 ones? = 24 (F) · What number has 7 tens and 0 ones? = 70 (A) · What number has 2 tens and 5 ones? = 25 (V) · What number has 4 tens and 8 ones? = 48 (K) · What number has 1 ten and 4 ones? = 14 (E) · What number has 8 tens and 1 one? = 81 (H) · What number has 9 tens and 5 ones? = 95 (W) · What number has 2 tens and 7 ones? = 27 (N) · What number has 9 tens and 1 one? = 91 (O) · What number has 2 tens and 8 ones? = 28 (C)

Clue 3 (Subtraction): "THE SNEAKY FOE SLIPS ON A MUDDY FIELD"

$100 - 24 = 76$ (T) · $42 - 8 = 34$ (E) · $64 - 14 = 50$ (A) · $41 - 4 = 37$ (K) · $38 - 13 = 25$ (U) · $16 - 1 = 15$ (L) · $36 - 4 = 32$ (S) · $115 - 29 = 86$ (P) · $46 - 6 = 40$ (Y) · $95 - 32 = 63$ (O) · $86 - 5 = 81$ (I) · $55 - 37 = 18$ (M) · $32 - 12 = 20$ (N) · $29 - 15 = 14$ (F) · $119 - 40 = 79$ (H) · $62 - 40 = 22$ (D)

Clue 4 (Skip counting): "THE SNEAKY FOE WORE NO HAT AT ALL"

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, __, 35, 40 = 30 (T) · Skip-count by 2s. Fill the blank: 2, 4, __, 8, 10 = 6 (H) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, __, 75, 80 = 70 (R) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, __, 36, 39 = 33 (K) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, __, 70, 80 = 60 (O) · Skip-count by 10s. Fill the blank: 10, 20, 30, __, 50, 60 = 40 (S) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, __, 70, 75 = 65 (L) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, __, 45, 48 = 42 (W) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, __, 24, 27 = 21 (N) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, __, 60, 65 = 55 (F) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, __, 16, 18 = 14 (A) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, __, 40, 45 = 35 (E) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, __, 60, 70 = 50 (Y)

Clue 5 (Missing addends): surviving statement is box 4 → Sonny

$10 + \underline{\quad} = 12 = 2$ · $5 + \underline{\quad} = 14 = 9$ · $2 + \underline{\quad} = 13 = 11$ · $4 + \underline{\quad} = 7 = 3$ · $3 + \underline{\quad} = 15 = 12$ · $10 + \underline{\quad} = 17 = 7$ · $4 + \underline{\quad} = 14 = 10$ · $5 + \underline{\quad} = 11 = 6$ · $2 + \underline{\quad} = 7 = 5$ · $3 + \underline{\quad} = 4 = 1$ · $9 + \underline{\quad} = 17 = 8$