



# The Case of the Missing Camp Cup

Grade 3 math · Multiplication, Rounding, Place value, Addition, Division · Reading level grades 3-4

Detective: \_\_\_\_\_ Date: \_\_\_\_\_

The shiny camp World Cup trophy is missing from the main display case! Someone swiped it right before the final championship match of the summer.

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	SIGNATURE MOVE	FAVORITE SOCCER GEAR	KICKING FOOT	HEADBAND COLOR	FAVORITE CAMP SNACK
<b>Bukayo Saka</b>	Rainbow Flick	Neon Goalie Gloves	Right Footed	Blue Headband	Juice Pouches
<b>Rose Lavelle</b>	Bicycle Kick	Blue Captain Band	Left Footed	Blue Headband	Granola Bars
<b>Gio Reyna</b>	Bicycle Kick	Sparkly Shin Guards	Left Footed	Blue Headband	Orange Slices
<b>Marta Vieira</b>	Rainbow Flick	Striped Soccer Socks	Right Footed	Green Headband	Granola Bars
<b>Sophia Smith</b>	Header Goal	Striped Soccer Socks	Right Footed	Red Headband	Granola Bars
<b>Harry Kane</b>	Rainbow Flick	Golden Cleats	Left Footed	Green Headband	Granola Bars
<b>Cristiano Ronaldo</b>	Bicycle Kick	Golden Cleats	Right Footed	Green Headband	Granola Bars
<b>Alisha Lehmann</b>	Header Goal	Sparkly Shin Guards	Right Footed	Green Headband	Granola Bars
<b>Sam Kerr</b>	Bicycle Kick	Striped Soccer Socks	Right Footed	Red Headband	Granola Bars
<b>Kevin De Bruyne</b>	Rainbow Flick	Sparkly Shin Guards	Left Footed	Red Headband	Orange Slices
<b>Leo Messi</b>	Slide Tackle	Striped Soccer Socks	Left Footed	Red Headband	Granola Bars
<b>Christian Pulisic</b>	Rainbow Flick	Striped Soccer Socks	Left Footed	Red Headband	Orange Slices
<b>Wendie Renard</b>	Bicycle Kick	Neon Goalie Gloves	Left Footed	Green Headband	Granola Bars
<b>Luka Modric</b>	Bicycle Kick	Sparkly Shin Guards	Right Footed	Red Headband	Juice Pouches
<b>Jude Bellingham</b>	Rainbow Flick	Neon Goalie Gloves	Left Footed	Blue Headband	Juice Pouches
<b>Kylian Mbappe</b>	Slide Tackle	Neon Goalie Gloves	Right Footed	Red Headband	Granola Bars
<b>Son Heungmin</b>	Power Shot	Neon Goalie Gloves	Right Footed	Red Headband	Granola Bars
<b>Marcus Rashford</b>	Power Shot	Neon Goalie Gloves	Right Footed	Red Headband	Orange Slices
<b>Phil Foden</b>	Power Shot	Striped Soccer Socks	Left Footed	Green Headband	Juice Pouches
<b>Erling Haaland</b>	Power Shot	Sparkly Shin Guards	Right Footed	Red Headband	Granola Bars
<b>Lucy Bronze</b>	Bicycle Kick	Neon Goalie Gloves	Left Footed	Red Headband	Orange Slices

**CLUE 1**

**Multiplication facts (1-12)**

Coach needs to count the practice cones on the field. She counts five rows with six cones in each row. While multiplying to get the total, she spots a dropped note.

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

<b>T</b>									<b>T</b>								<b>T</b>
120	24	45	64	60	64	2	45	9	120	3	49	45	64	15	49	120	
8	45	12	56	64	2	12	56	11	7	90	64	24	96	15			
54	60	12	56	3	64												

$12 \times 10 = \square \rightarrow$ <b>T</b>	$8 \times 12 = \square \rightarrow$ <b>I</b>	$4 \times 3 = \square \rightarrow$ <b>A</b>	
$1 \times 11 = \square \rightarrow$ <b>K</b>	$3 \times 5 = \square \rightarrow$ <b>N</b>	$8 \times 8 = \square \rightarrow$ <b>S</b>	$6 \times 9 = \square \rightarrow$ <b>G</b>
$8 \times 7 = \square \rightarrow$ <b>R</b>	$9 \times 10 = \square \rightarrow$ <b>Y</b>	$9 \times 5 = \square \rightarrow$ <b>E</b>	$1 \times 3 = \square \rightarrow$ <b>D</b>
$3 \times 8 = \square \rightarrow$ <b>H</b>	$7 \times 7 = \square \rightarrow$ <b>O</b>	$1 \times 8 = \square \rightarrow$ <b>W</b>	$5 \times 12 = \square \rightarrow$ <b>U</b>
$1 \times 2 = \square \rightarrow$ <b>P</b>	$9 \times 1 = \square \rightarrow$ <b>C</b>	$1 \times 7 = \square \rightarrow$ <b>L</b>	

Scratch space:

**CLUE 2**

# Rounding

The scoreboard clock shows nineteen minutes left, but the broken display rounds the time to the nearest ten. While checking the screen, the team finds a clue taped to the back.

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

<b>T</b>																	
7000	70	20	40	200	6000	6000	400	200	9000	700	4000	8000	700	20	60		
		<b>T</b>		<b>T</b>								<b>T</b>					<b>T</b>
400	4000	7000	70	7000	70	20	4000	900	900	4000	5000	70	7000	800	3000	3000	7000

Round 6,835 to the nearest thousand  → **T**

Round 5,088 to the nearest thousand  → **G**

Round 61 to the nearest ten  → **D**

Round 5,643 to the nearest thousand  → **L**

Round 364 to the nearest hundred  → **W**

Round 182 to the nearest hundred  → **A**

Round 813 to the nearest hundred  → **F**

Round 2,943 to the nearest thousand  → **O**

Round 22 to the nearest ten  → **E**

Round 7,702 to the nearest thousand  → **C**

Round 914 to the nearest hundred  → **R**

Round 73 to the nearest ten  → **H**

Round 44 to the nearest ten  → **B**

Round 9,236 to the nearest thousand  → **S**

Round 725 to the nearest hundred  → **K**

Round 4,386 to the nearest thousand  → **I**

Scratch space:

**CLUE 3**

**Place value (tens & ones)**

To open the gear locker, the campers must look at the room number five hundred forty-three and find the digit in the tens place. Inside the locker is a secret message.

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

<b>T</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
61	31	89	99	52	71	71	94	52	19	21	17	32	14	22	71	89	96		
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
27	17	94	19	97	71	94	22	94	17	34									
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
89	99	89	17	39	79	31	89	17	89										

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

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

What number has 3 tens and 1 one?  → **H**

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

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

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

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

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

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

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

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

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

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

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

What number has 1 ten and 7 ones?  → **R**

What number has 9 tens and 6 ones?  → **D**

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

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

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

Scratch space:

**CLUE 4** Addition

The players add up all the soccer balls in the bin. Nine balls plus eight balls plus seven balls equals twenty-four. Hidden under the pile is a suspicious scrap of paper.

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

<b>A</b>																		
240	423	692	920	281	906	580	692	579	978	906	579	240	978	423	240	464	978	
	<b>A</b>													<b>A</b>				
303	240	843	889	849	557	464	978	423	422	580	906	579	694	240	843	579		

$140 + 100 = \square \rightarrow$ <b>A</b>	$458 + 391 = \square \rightarrow$ <b>O</b>	$193 + 364 = \square \rightarrow$ <b>U</b>
$166 + 137 = \square \rightarrow$ <b>W</b>	$415 + 491 = \square \rightarrow$ <b>H</b>	$190 + 233 = \square \rightarrow$ <b>B</b>
$590 + 299 = \square \rightarrow$ <b>F</b>	$375 + 204 = \square \rightarrow$ <b>E</b>	$170 + 111 = \square \rightarrow$ <b>G</b>
$385 + 307 = \square \rightarrow$ <b>R</b>	$229 + 193 = \square \rightarrow$ <b>Y</b>	$281 + 183 = \square \rightarrow$ <b>N</b>
$405 + 175 = \square \rightarrow$ <b>T</b>	$347 + 496 = \square \rightarrow$ <b>S</b>	$411 + 567 = \square \rightarrow$ <b>D</b>
$485 + 209 = \square \rightarrow$ <b>C</b>	$371 + 549 = \square \rightarrow$ <b>I</b>	

Scratch space:

**CLUE 5****Division facts (1-12) - the last clue**

There are fifteen juice pouches to share equally among three thirsty players. While splitting them up, they discover a clue written on the bottom of the empty box.

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:**

$12 \div 2 = \square$

$28 \div 7 = \square$

$132 \div 12 = \square$

$40 \div 5 = \square$

$5 \div 1 = \square$

$12 \div 4 = \square$

$10 \div 5 = \square$

$72 \div 8 = \square$

$144 \div 12 = \square$

$42 \div 6 = \square$

$10 \div 1 = \square$

**Step 2 - cross out the sentence with each answer:**

1. The villain scores a header goal, then pulls up striped soccer socks.
2. The villain blasts a power shot, then pulls up striped soccer socks.
3. The villain performs a rainbow flick, then wields neon goalie gloves.
4. The villain makes a slide tackle, then wields neon goalie gloves.
5. The villain does a bicycle kick, then adjusts a blue captain band.
6. The villain blasts a power shot, then wields neon goalie gloves.
7. The villain does a bicycle kick, then wields neon goalie gloves.
8. The villain scores a header goal, then wields neon goalie gloves.
9. The villain makes a slide tackle, then pulls up striped soccer socks.
10. The villain performs a rainbow flick, then adjusts a blue captain band.
11. The villain does a bicycle kick, then pulls up striped soccer socks.
12. The villain blasts a power shot, then adjusts a blue captain band.

# Answer Key

## The Case of the Missing Camp Cup

### Culprit: Sophia Smith

Header Goal · Striped Soccer Socks · Right Footed · Red Headband · Granola Bars

Trail: Start 21 → Clue 1 16 → Clue 2 8 → Clue 3 6 → Clue 4 4 → Clue 5 1

### Clue 1 (Multiplication facts (1-12)): "THE SUSPECT DOES NOT WEAR SPARKLY SHIN GUARDS"

$12 \times 10 = 120$  (T) ·  $8 \times 12 = 96$  (I) ·  $4 \times 3 = 12$  (A) ·  $1 \times 11 = 11$  (K) ·  $3 \times 5 = 15$  (N) ·  $8 \times 8 = 64$  (S) ·  $6 \times 9 = 54$  (G) ·  $8 \times 7 = 56$  (R) ·  $9 \times 10 = 90$  (Y) ·  $9 \times 5 = 45$  (E) ·  $1 \times 3 = 3$  (D) ·  $3 \times 8 = 24$  (H) ·  $7 \times 7 = 49$  (O) ·  $1 \times 8 = 8$  (W) ·  $5 \times 12 = 60$  (U) ·  $1 \times 2 = 2$  (P) ·  $9 \times 1 = 9$  (C) ·  $1 \times 7 = 7$  (L)

### Clue 2 (Rounding): "THE BALL WAS KICKED WITH THEIR RIGHT FOOT"

Round 6,835 to the nearest thousand = 7000 (T) · Round 5,088 to the nearest thousand = 5000 (G) · Round 61 to the nearest ten = 60 (D) · Round 5,643 to the nearest thousand = 6000 (L) · Round 364 to the nearest hundred = 400 (W) · Round 182 to the nearest hundred = 200 (A) · Round 813 to the nearest hundred = 800 (F) · Round 2,943 to the nearest thousand = 3000 (O) · Round 22 to the nearest ten = 20 (E) · Round 7,702 to the nearest thousand = 8000 (C) · Round 914 to the nearest hundred = 900 (R) · Round 73 to the nearest ten = 70 (H) · Round 44 to the nearest ten = 40 (B) · Round 9,236 to the nearest thousand = 9000 (S) · Round 725 to the nearest hundred = 700 (K) · Round 4,386 to the nearest thousand = 4000 (I)

### Clue 3 (Place value (tens & ones)): "THE VILLAIN CRUMBLED GRANOLA BARS EVERYWHERE"

What number has 6 tens and 1 one? = 61 (T) · What number has 9 tens and 7 ones? = 97 (O) · What number has 3 tens and 1 one? = 31 (H) · What number has 2 tens and 2 ones? = 22 (B) · What number has 7 tens and 1 one? = 71 (L) · What number has 5 tens and 2 ones? = 52 (I) · What number has 3 tens and 2 ones? = 32 (U) · What number has 3 tens and 4 ones? = 34 (S) · What number has 1 ten and 9 ones? = 19 (N) · What number has 8 tens and 9 ones? = 89 (E) · What number has 9 tens and 4 ones? = 94 (A) · What number has 2 tens and 7 ones? = 27 (G) · What number has 9 tens and 9 ones? = 99 (V) · What number has 7 tens and 9 ones? = 79 (W) · What number has 1 ten and 7 ones? = 17 (R) · What number has 9 tens and 6 ones? = 96 (D) · What number has 3 tens and 9 ones? = 39 (Y) · What number has 2 tens and 1 one? = 21 (C) · What number has 1 ten and 4 ones? = 14 (M)

### Clue 4 (Addition): "A BRIGHT RED HEADBAND WAS FOUND BY THE CASE"

$140 + 100 = 240$  (A) ·  $458 + 391 = 849$  (O) ·  $193 + 364 = 557$  (U) ·  $166 + 137 = 303$  (W) ·  $415 + 491 = 906$  (H) ·  $190 + 233 = 423$  (B) ·  $590 + 299 = 889$  (F) ·  $375 + 204 = 579$  (E) ·  $170 + 111 = 281$  (G) ·  $385 + 307 = 692$  (R) ·  $229 + 193 = 422$  (Y) ·  $281 + 183 = 464$  (N) ·  $405 + 175 = 580$  (T) ·  $347 + 496 = 843$  (S) ·  $411 + 567 = 978$  (D) ·  $485 + 209 = 694$  (C) ·  $371 + 549 = 920$  (I)

### Clue 5 (Division facts (1-12)): surviving statement is box 1 → Sophia Smith

$12 \div 2 = 6$  ·  $28 \div 7 = 4$  ·  $132 \div 12 = 11$  ·  $40 \div 5 = 8$  ·  $5 \div 1 = 5$  ·  $12 \div 4 = 3$  ·  $10 \div 5 = 2$  ·  $72 \div 8 = 9$  ·  $144 \div 12 = 12$  ·  $42 \div 6 = 7$  ·  $10 \div 1 = 10$