

# The Mystery of the Missing Trophy

The crowds are cheering, banners are waving, and celebratory confetti is floating through the air.

The final match of the Football Championship has been played and preparations are underway to present the winning team with their trophy.

Whilst the winning team are running laps of the pitch, celebrating with their fans, the officials begin to look worried. They cannot find the trophy!

It should be ready to take out of its locked, glass cabinet but someone has opened it and taken it.

Help solve the mystery by finding out who has taken the missing trophy.



# The Mystery of the Missing Trophy

Name	Boy or Girl	Age	Hair Colour	Job	Location
Adam	boy	25	brown	physio	changing room
Bethany	girl	31	blonde	footballer	football pitch
Casper	boy	40	black	referee	side line
Daniel	boy	50	ginger	photographer	changing room
Emily	girl	67	brown	lines person	football pitch
Fran	girl	71	blonde	commentator	side line
George	boy	43	black	journalist	changing room
Grace	girl	35	ginger	physio	football pitch
Harry	boy	23	brown	footballer	side line
Henry	boy	58	blonde	referee	changing room
Isaac	boy	68	black	photographer	football pitch
Jacob	boy	78	ginger	lines person	side line
Isobel	girl	52	brown	commentator	changing room
Julio	boy	46	blonde	journalist	football pitch
Magdalena	girl	39	black	physio	side line
Marcel	boy	24	ginger	footballer	changing room
Ola	girl	67	brown	referee	football pitch
Olivia	girl	75	blonde	photographer	side line
Samir	boy	26	black	lines person	changing room
Sara	girl	37	ginger	commentator	football pitch
Terri	girl	49	brown	journalist	side line
Thomas	boy	58	blonde	physio	changing room



# The Mystery of the Missing Trophy

## Clue 1: Crack the Code

Answer the maths calculations, then use the code breaker to find the first clue.

a	b	c	d	e	f	g	h	i	j	k	l	m
26	25	24	23	22	21	20	19	18	17	16	15	14

n	o	p	q	r	s	t	u	v	w	x	y	z
13	12	11	10	9	8	7	6	5	4	3	2	1

	Answer	Letter
$50 - 43 =$		
$29 - 10 =$		
$48 - 26 =$		
$15 - 13 =$		

$14 + 12 =$		
$3 + 3 + 3 =$		
$18 + 4 =$		

$30 - 17 =$		
$22 - 10 =$		
$19 - 12 =$		

	Answer	Letter
$19 + 7 =$		

$6 + 4 + 1 =$		
$10 + 9 =$		
$18 - 16 =$		
$22 - 14 =$		
$35 - 17 =$		
$44 - 32 =$		

Clue 1: \_\_\_\_\_

# The Mystery of the Missing Trophy

## Clue 2: Crack the Code

Choose the correct answer for each missing number calculation.

The column with the most correct answers in will reveal a clue about the culprit's hair colour.

$28 + \underline{\quad\quad} = 50$	19	20	21	22
$38 + \underline{\quad\quad} = 50$	11	12	13	14
$28 + \underline{\quad\quad} = 60$	30	31	32	33
$27 + \underline{\quad\quad} = 50$	13	23	33	43
$50 - \underline{\quad\quad} = 24$	26	36	46	56
$60 - \underline{\quad\quad} = 26$	4	14	24	34
$50 - \underline{\quad\quad} = 15$	5	15	25	35
	The culprit's hair colour is not brown.	The culprit's hair colour is not blonde.	The culprit's hair colour is not black.	The culprit's hair colour is not ginger.

Clue 2: \_\_\_\_\_



# The Mystery of the Missing Trophy

## Clue 3: Cross It Off

Solve the answers to the problems. Cross off the answers in the grid. The clue that is not crossed off will reveal the age of the person who has the trophy.

I'm thinking of a number.

I add 6.

The answer is 24.

What was my number?

I'm thinking of a number.

I subtract 10.

The answer is 21.

What was my number?

I'm thinking of a number.

I add 9.

The answer is 25.

What was my number?

I'm thinking of a number.

I subtract 5.

The answer is 20.

What was my number?

I'm thinking of a number.

I add 7.

The answer is 28.

What was my number?

31 The tens digit of their age is 2.	25 The tens digit of their age is 3.	20 The tens digit of their age is 4.
18 The tens digit of their age is 5.	16 The tens digit of their age is 6.	21 The tens digit of their age is 7.

Clue 3: \_\_\_\_\_

# The Mystery of the Missing Trophy

## Clue 4: Maze

Find a path across the football pitch, colouring in number bonds to 100, to reveal the location of the person who took the trophy.

<b>START</b>	$20 + 80$	$50 + 50$	$10 + 10$	$20 + 30$	$70 + 30$
$30 + 40$	$40 + 20$	$100 + 0$	$80 + 20$	$40 + 60$	$50 + 50$
$60 + 40$	$50 + 10$	$60 + 70$	$70 + 10$	$80 + 40$	$10 + 90$
$70 + 10$	$80 + 40$	$30 + 70$	$0 + 100$	$70 + 30$	$40 + 60$
$50 + 50$	$40 + 20$	$90 + 10$	$50 + 10$	$60 + 70$	$70 + 10$
$100 + 10$	$40 + 70$	$60 + 40$	$30 + 40$	$40 + 60$	$100 + 0$
$90 + 10$	$70 - 0$	$10 + 90$	$55 + 1$	$30 + 70$	$20 + 80$
Changing Room	Football Pitch	Side Line	Changing Room	Football Pitch	Side Line

**Clue 4:** The person who took the trophy is: \_\_\_\_\_

\_\_\_\_\_

# The Mystery of the Missing Trophy

## Clue 5: True or False

Check these maths calculations. If a calculation is **right**, put a **tick**. If it is **wrong**, put a **cross**.

Count the number of ticks and crosses.

If there are more ticks than crosses, the person who took the trophy is a **girl**.

If there are more crosses than ticks, the person who took the trophy is a **boy**.

	Right ✓	Wrong ✗
$36 + 15 = 50$		
$24\text{cm} + 12\text{cm} = 36\text{cm}$		
$10 + 6 + 3 = 20$		
$21\text{p} + 18\text{p} = 39\text{p}$		
thirty-two plus eleven equals forty-four		
$58 - 27 = 32$		
$11 + 8 + 2 = 21$		
$50\text{cm} - 22\text{cm} = 28\text{cm}$		
$45\text{p} - 19\text{p} = 26\text{p}$		
<b>Total</b>		

**Clue 5:** The person who took the trophy is a \_\_\_\_\_

The person who took the trophy is: \_\_\_\_\_

# The Mystery of the Missing Trophy **Answers**

## Clue 1: Crack the Code

Answer the maths calculations, then use the code breaker to find the first clue.

	Answer	Letter
$50 - 43 =$	<b>7</b>	<b>t</b>
$29 - 10 =$	<b>19</b>	<b>h</b>
$48 - 26 =$	<b>22</b>	<b>e</b>
$15 - 13 =$	<b>2</b>	<b>y</b>

$14 + 12 =$	<b>26</b>	<b>a</b>
$3 + 3 + 3 =$	<b>9</b>	<b>r</b>
$18 + 4 =$	<b>22</b>	<b>e</b>

$30 - 17 =$	<b>13</b>	<b>n</b>
$22 - 10 =$	<b>12</b>	<b>o</b>
$19 - 12 =$	<b>7</b>	<b>t</b>

	Answer	Letter
$19 + 7 =$	<b>26</b>	<b>a</b>

$6 + 4 + 1 =$	<b>11</b>	<b>p</b>
$10 + 9 =$	<b>19</b>	<b>h</b>
$18 - 16 =$	<b>2</b>	<b>y</b>
$22 - 14 =$	<b>8</b>	<b>s</b>
$35 - 17 =$	<b>18</b>	<b>i</b>
$44 - 32 =$	<b>12</b>	<b>o</b>

**Clue 1:** \_\_\_\_\_ **They are not a physio.**

## Clue 2: Crack the Code

The column with the most correct answers in will reveal a clue about the culprit's hair colour.

$28 + \mathbf{22} = 50$	19	20	21	<b>22</b>
$38 + \mathbf{12} = 50$	11	<b>12</b>	13	14
$28 + \mathbf{32} = 60$	30	31	<b>32</b>	33
$27 + \mathbf{23} = 50$	13	<b>23</b>	33	43
$50 - \mathbf{26} = 24$	<b>26</b>	36	46	56
$60 - \mathbf{34} = 26$	4	14	24	<b>34</b>
$50 - \mathbf{35} = 15$	5	15	25	<b>35</b>
	The culprit's hair colour is not brown.	The culprit's hair colour is not blonde.	The culprit's hair colour is not black.	<b>The culprit's hair colour is not ginger.</b>



# The Mystery of the Missing Trophy **Answers**

## **Clue 3:** Cross It Off

Solve the answers to the problems. Cross off the answers in the grid. The clue that is not crossed off will reveal the age of the person who has the trophy.

I'm thinking of a number.  
I add 6. The answer is 24.  
What was my number? **18**

I'm thinking of a number.  
I subtract 10. The answer is 21.  
What was my number? **31**

I'm thinking of a number.  
I add 9. The answer is 25.  
What was my number? **16**

I'm thinking of a number.  
I subtract 5. The answer is 20.  
What was my number? **25**

I'm thinking of a number.  
I add 7. The answer is 28.  
What was my number? **21**

<del>31 The tens digit of their age is 2.</del>	<del>25 The tens digit of their age is 3.</del>	<b>20 The tens digit of their age is 4.</b>
<del>18 The tens digit of their age is 5.</del>	<del>16 The tens digit of their age is 6.</del>	<del>21 The tens digit of their age is 7.</del>

**Clue 3:**     **The tens digit of their age is 4.**

# The Mystery of the Missing Trophy **Answers**

## Clue 4: Maze

Find a path across the football pitch, colouring in number bonds to 100, to reveal the location of the person who took the trophy.

<b>START</b>	<b>20 + 80</b>	<b>50 + 50</b>	10 + 10	20 + 30	70 + 30
30 + 40	40 + 20	<b>100 + 0</b>	<b>80 + 20</b>	<b>40 + 60</b>	<b>50 + 50</b>
60 + 40	50 + 10	60 + 70	70 + 10	80 + 40	<b>10 + 90</b>
70 + 10	80 + 40	<b>30 + 70</b>	<b>0 + 100</b>	<b>70 + 30</b>	<b>40 + 60</b>
50 + 50	40 + 20	<b>90 + 10</b>	50 + 10	60 + 70	70 + 10
100 + 10	40 + 70	<b>60 + 40</b>	30 + 40	40 + 60	100 + 0
90 + 10	70 - 0	<b>10 + 90</b>	55 + 1	30 + 70	20 + 80
Changing Room	Football Pitch	<b>Side Line</b>	Changing Room	Football Pitch	Side Line

**Clue 4:** The person who took the trophy is on the side line.

# The Mystery of the Missing Trophy **Answers**

## **Clue 5:** True or False

If there are more ticks than crosses, the person who took the trophy is a **girl**.  
If there are more crosses than ticks, the person who took the trophy is a **boy**.

	Right ✓	Wrong ✗
$36 + 15 = 50$		✗
$24\text{cm} + 12\text{cm} = 36\text{cm}$	✓	
$10 + 6 + 3 = 20$		✗
$21\text{p} + 18\text{p} = 39\text{p}$	✓	
thirty-two plus eleven equals forty-four		✗
$58 - 27 = 32$		✗
$11 + 8 + 2 = 21$	✓	
$50\text{cm} - 22\text{cm} = 28\text{cm}$	✓	
$45\text{p} - 19\text{p} = 26\text{p}$	✓	
Total	<b>5</b>	<b>4</b>

**Clue 5:** The person who took the trophy is a girl.

The person who took the trophy is: Terri