



# The Mystery of the Mixed-Up Football Shirts **Answers**

## Clue 2: Cross It Off

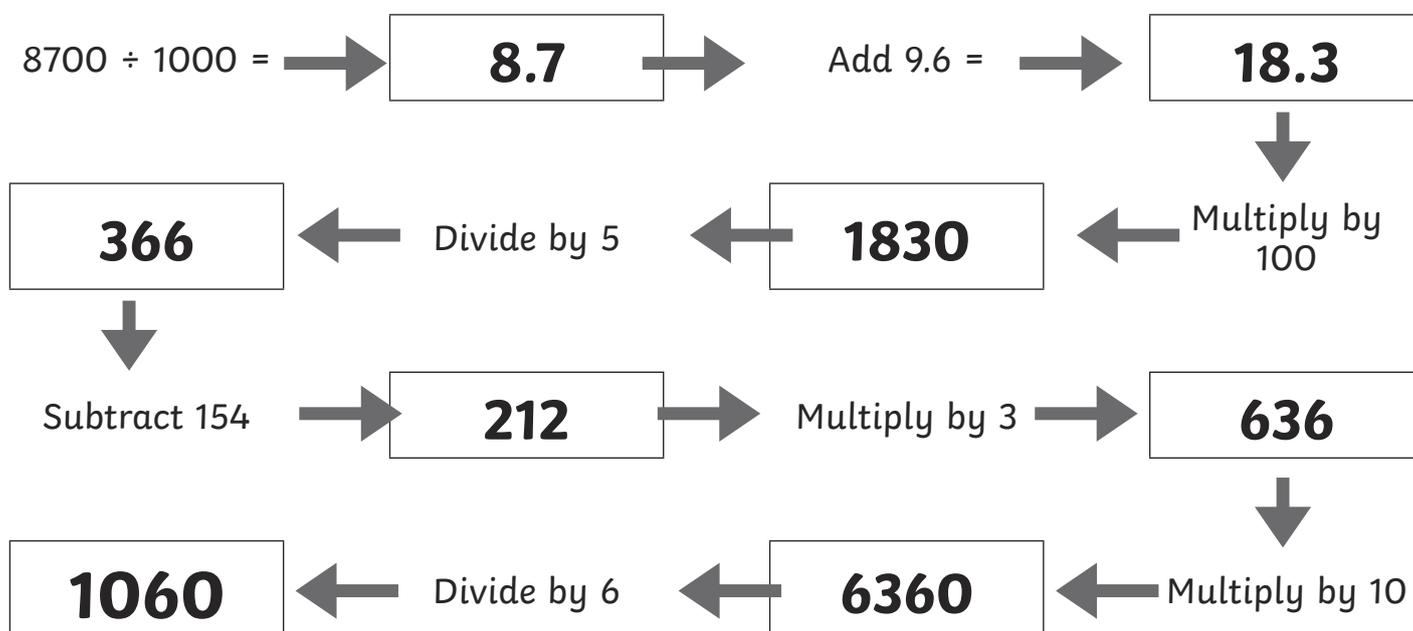
Solve the multiplication problems and cross off the correct answers that appear in the grid. The remaining clue that is not crossed off will reveal the age of the practical joker.

$18 \times 7 = \mathbf{126}$	$34 \times 8 = \mathbf{272}$	$55 \times 6 = \mathbf{330}$
$26 \times 9 = \mathbf{234}$	$76 \times 5 = \mathbf{380}$	$85 \times 4 = \mathbf{340}$
$97 \times 3 = \mathbf{291}$	$28 \times 9 = \mathbf{252}$	$44 \times 6 = \mathbf{264}$

<b>234</b> Their age is not a multiple of 2.	<b>330</b> Their age is a multiple of 5.	<b>350</b> <b>Their age is not a multiple of 4.</b>	<b>252</b> Their age is a prime number.	<b>380</b> Their age is not a square number.
<b>126</b> Their age is a multiple of 4.	<b>264</b> Their age is not a prime number.	<b>340</b> Their age is a square number.	<b>272</b> Their age is a multiple of 2.	<b>291</b> Their age is not a multiple of 5.

Clue 2: \_\_\_\_\_ **Their age isn't a multiple of 4.**

## Clue 3: Number Maze



The practical joker's favourite colour is:

red 601	blue 1600	green 160	yellow 1060
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Clue 3: \_\_\_\_\_ **The practical joker's favourite colour is yellow.**

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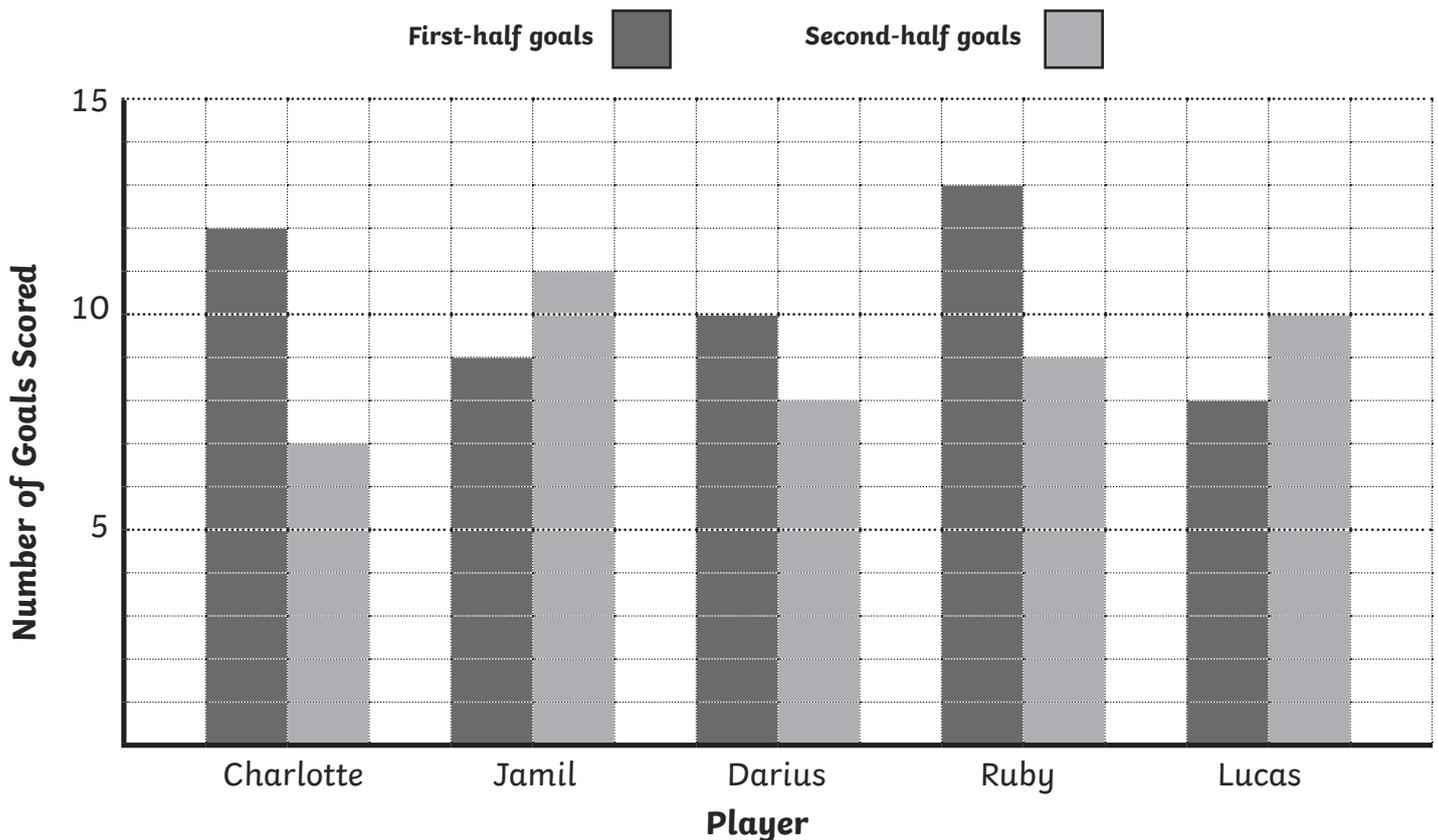
## Clue 4: Football Statistics

To reveal the next clue, decide whether the statements about the bar chart are true or false.

If there are more true answers, the practical joker is in the **changing room**.

If there are more false answers, the practical joker is on the **football pitch**.

**A Bar Chart to Show the Number of Goals Scored in a Football Tournament**



1. Charlotte scored 19 goals in the football tournament. **True**
2. Darius scored 3 fewer second-half goals than first-half goals. **False**
3. Ruby scored 6 more goals than Lucas in the tournament. **False**
4. Jamil scored 2 more second-half goals than first-half goals. **True**
5. Altogether, the five players scored 99 goals in the tournament. **False**

Clue 4:                     **The practical joker is on the football pitch.**

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## Clue 5: Multiple Choice

Choose the correct value for  $y$  in each of the calculations.

The column with the most correct answers will tell you whether the practical joker is male or female.

$y + 17 = 49$	31	<b>32</b>	33	34
$y - 28 = 66$	<b>94</b>	95	96	97
$y \div 2 = 911$	1820	1821	<b>1822</b>	1823
$3y = 105$	34	<b>35</b>	36	37
$34 + y = 105$	68	69	70	<b>71</b>
$y \div 4 = 2492$	<b>9968</b>	9969	9970	9971
$1023 - y = 290$	732	<b>733</b>	734	735
	The practical joker is <b>male</b> .	The practical joker is <b>female</b> .	The practical joker is <b>male</b> .	The practical joker is <b>female</b> .

Clue 5: \_\_\_\_\_ **The practical joker is female.**

The practical joker is: \_\_\_\_\_ **Sara**