#### Clue 1: Rearrange the Words

Solve the problems and circle the correct answers in the grid. Combine the circled words to complete the first clue.

There are 462 fans at a football match and  $\frac{1}{3}$  of them are girls. How many of the fans are boys? **308 boys** 

A coach seats 52 people. How many coaches will be needed to transport 724 supporters to their away match? **14 coaches** 

In the crowd of a football match, there are 1746 red scarves, 764 blue scarves and 904 green scarves. How many scarves are there altogether? **3414 scarves** 

Everyone who took part in a school football tournament was given a medal. The number of medals given out was a multiple of 6, between 90 and 120, with a digit total of 6. How many medals were given out?

#### 114 medals

On a non-uniform day,  $\frac{3}{5}$  of the children wear a football shirt. There are 320 children altogether.

How many children wore a football shirt?

192 children

The cost of hiring a coach to transport a team is calculated using the following formula:

(number of players in the team  $\times$  75) + 43

How much would it cost a team of 11 players to hire the coach? 825 + 43 = £868

In a football tournament, team A scored 84 goals. Team B scored  $\frac{5}{7}$  of this amount. How many goals did team B score? **60 goals** 

Player A does 8 penalty kick practice shots every day. Player B does 50% more penalty kick practice shots every day. How many penalty kick practice shots do they do altogether over one week? **140 penalty kicks** 

308	868	237	14
practical	have	black	not
3414	140	420	192
blonde	the	brown	joker
114	152	126	60
does	white	ginger	hair

Clue 1: The practical joker does not have blonde hair.





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.

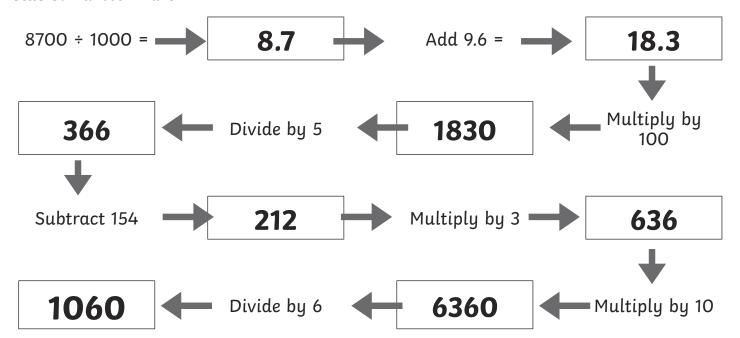
18 × 7 = <b>126</b>	34 × 8 = <b>272</b>	55 × 6 = <b>330</b>
26 × 9 = <b>234</b>	76 × 5 = <b>380</b>	85 × 4 = <b>340</b>
97 × 3 = <b>291</b>	28 × 9 = <b>252</b>	44 × 6 = <b>264</b>

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





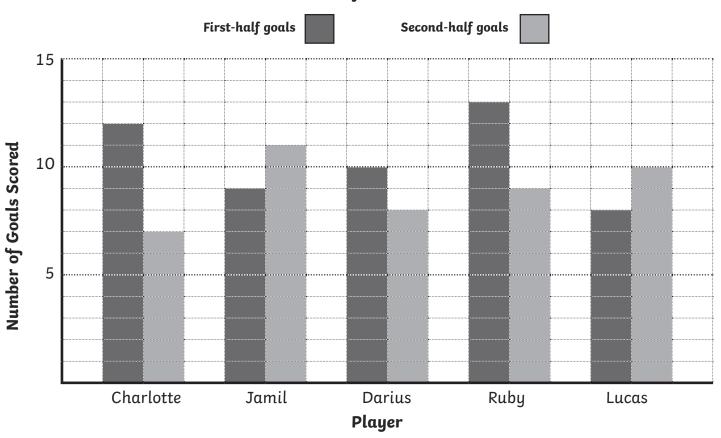
#### Clue 4: Football Statistics

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.





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

Clue 5:	The practical joker is female.
The practical joker is:	Sara