

Stick with Maths

Maths puzzles

Key Stage 2: Years 3-4

Sticker stats

Use these player stats to solve the following football puzzles.

The sticker features a central photo of Kasper Schmeichel in a Leicester City kit. Surrounding the photo are various icons and text: Leicester City club crest, a jersey with number 1, height (1.89M), weight (89KG), Premier League logo, seasons in the league (12), winner medals (1), dominant foot (right), nationality (DEN), player name (KASPER SCHMEICHEL), player position (Goalkeeper), and date of birth (D.O.B. 05-11-86 | Copenhagen).

Club → Leicester City Football Club

Shirt number → 1

Height → 1.89M

Weight → 89KG

Seasons in the Premier League → 12

Winner medals → 1

Dominant foot → Right

Nationality → DEN

Player name → KASPER SCHMEICHEL

Player position → Goalkeeper

Date of birth → D.O.B. 05-11-86 | Copenhagen

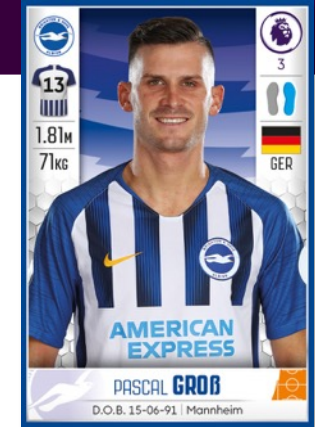
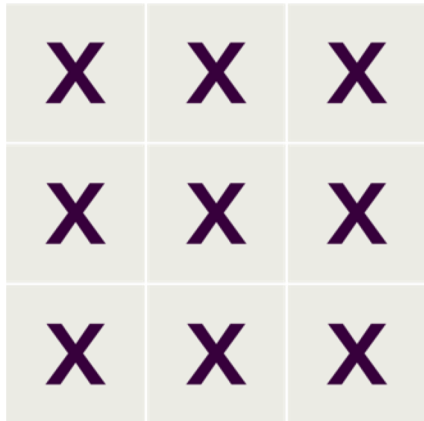
Place of birth → Copenhagen

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Puzzle formation

Nine players are in training before the final. They start passing the ball to each other using grids in this formation.

As the manager, you want a good balance of experience working together.

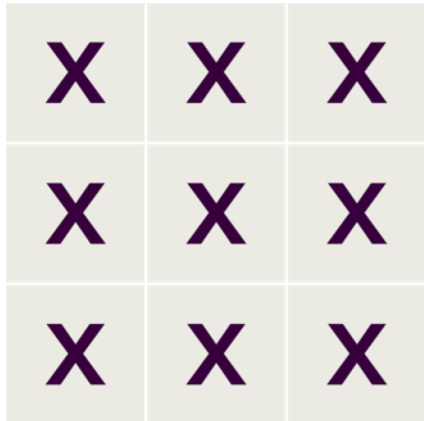


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Puzzle formation

Look at the number of seasons in the Premier League for each player: from 1 to 9.

Can you position the 9 players so that all their season numbers add up to 15 across each row and 15 down each column?




Arsenal
 19
 1.83M
 73KG
 1
 CIV
NICOLAS PÉPÉ
 D.O.B. 29-05-95 | Mantes-la-Jolie (France)



Everton
 12
 1.78M
 74KG
 2
 FRN
LUCAS DIGNE
 D.O.B. 20-07-93 | Meaux



Eintracht Frankfurt
 13
 1.81M
 71KG
 3
 GER
PASCAL GROB
 D.O.B. 15-06-91 | Mannheim



Burnley
 5
 1.85M
 81KG
 4
 ENG
JAMES TARKOWSKI
 D.O.B. 19-11-92 | Manchester



Chelsea
 7
 1.68M
 70KG
 5
 FRN
N'GOLO KANTÉ
 D.O.B. 29-03-91 | Paris



AFC Bournemouth
 12
 1.83M
 80KG
 6
 ENG
JED STEER
 D.O.B. 22-09-92 | Norwich



Arsenal
 23
 1.89M
 84KG
 8
 BRA
DAVID LUIZ
 D.O.B. 22-04-87 | Diadema



Manchester City
 10
 1.73M
 70KG
 9
 ARG
SERGIO AGÜERO
 D.O.B. 02-06-88 | Buenos Aires



Everton
 17
 1.80M
 75KG
 7
 NGA
ALEX IWOB
 D.O.B. 03-05-96 | Lagos

Missing shirt

As the Kit Manager you are preparing the team's kit ahead of the match, but there is one shirt missing!

- The shirt number is 2 digits.
- It is less than 50 but more than 20.
- The sum of the 2 digits is 9.
- The difference between the 2 digits is 3.

Whose shirt are you looking for?



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Roman confusion

The players have had a medical and as the Club Doctor you're entering their statistics onto the database. Disaster! The computer has changed all the numbers into Roman Numerals and one player's stats has been entered incorrectly.



Player card for Ryan Bertrand. The card shows a Southampton kit with the number 21. Statistics: 1.79M, 85kg. The number 15 is displayed in a circle. The Premier League logo is in the top right. The national flag of England (ENG) is in the bottom right.

RYAN BERTRAND
D.O.B. 05-08-89 | Southwark



Player card for Fabian Schär. The card shows a Newcastle kit with the number 5. Statistics: 1.88M, 84kg. The number 2 is displayed in a circle. The Premier League logo is in the top right. The national flag of Switzerland (SUI) is in the bottom right.

FABIAN SCHÄR
D.O.B. 20-12-91 | Wil



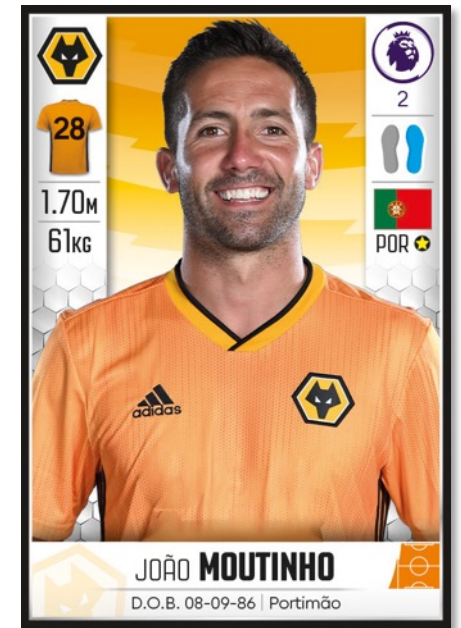
Player card for Ollie Norwood. The card shows a Burnley kit with the number 16. Statistics: 1.80M, 75kg. The number 6 is displayed in a circle. The Premier League logo is in the top right. The national flag of Northern Ireland (NIR) is in the bottom right.

OLLIE NORWOOD
D.O.B. 12-04-91 | Burnley



Player card for Gerard Deulofeu. The card shows a Watford kit with the number 7. Statistics: 1.77M, 73kg. The number 6 is displayed in a circle. The Premier League logo is in the top right. The national flag of Spain (ESP) is in the bottom right.

GERARD DEULOFEU
D.O.B. 13-03-94 | Riudarenes



Player card for João Moutinho. The card shows a Wolves kit with the number 28. Statistics: 1.70M, 61kg. The number 2 is displayed in a circle. The Premier League logo is in the top right. The national flag of Portugal (POR) is in the bottom right.

JOÃO MOUTINHO
D.O.B. 08-09-86 | Portimão

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Roman confusion

Whose stats are incorrect?

Seasons in PL
 XV

Day of Birth
 XX

Height in cm
 CLXXX

Weight
 XXVIII

Shirt number
 XXVIII



21
 1.79M
 85KG
 15
 ENG
 RYAN **BERTRAND**
 D.O.B. 05-08-89 | Southwark



5
 1.88M
 84KG
 2
 SUI
 D.O.B. 20-12-91
 FABIAN **SCHÄR**
 D.O.B. 20-12-91 | Wil



16
 1.80M
 75KG
 6
 NIR
 OLLIE **NORWOOD**
 D.O.B. 12-04-91 | Burnley



7
 1.77M
 73KG
 6
 ESP
 GERARD **DEULOFEU**
 D.O.B. 13-03-94 | Riudarenes



28
 1.70M
 61KG
 2
 POR
 JOÃO **MOUTINHO**
 D.O.B. 08-09-86 | Portimão

Team selection

As the Manager you can only select 5 players to complete the starting team.

You can only select players who have shirt numbers which are:

- Multiples of 9.
- Square numbers.
- Prime numbers.

Which player is left to sit on the bench?



Slide 1 of 2 Team photo

As the Club Photographer you've been asked to take a team photo of a selection of Premier League players who will be taking part in a 5-a-side charity match.

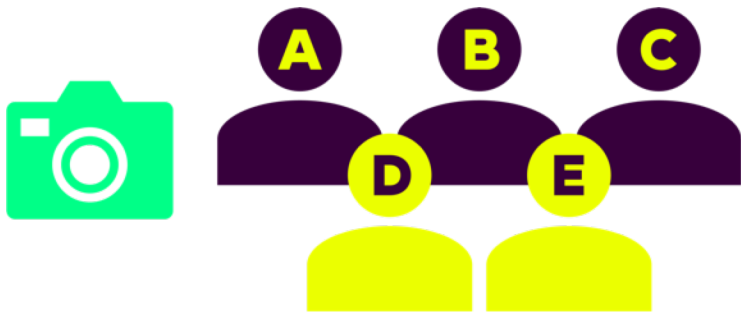
Can you help get the players into position?



Slide 2 of 2 **Team photo**

Can you help get the players into position?

- Player A is the tallest player
- Player B is the goal keeper
- Player C is shorter than the players in the front row
- Player D is 4 cm shorter than player B
- Player E is 10 cm taller than player D



Answers

Puzzle formation

2	7	6
9	5	1
4	3	8

Missing shirt

Order of elimination:

- Van Aanholt – 3 – shirt number is less than two digits
- Doucouré – 16 – shirt number is not more than 20
- Tomori – 29 – sum of the two digits is not 9;
red herring to test vocabulary with the digit 9
- Bertrand – sum of the two digits is not 9
- Moura – 27 – the difference between the two digits is not 3
- **Longstaff – 36 – Correct Answer**

Roman confusion

Gerard Deulofeu

His weight of 73kg should be represented as LXXIII

Team selection

Order of elimination:

- Moura – Tottenham – 27
This one is the only multiple of 9
- Doucouré – Watford – 16 / Van Dijk – Liverpool – 4
These are the only square numbers
- Pépé – Arsenal – 19 / Tomori – Chelsea – 29
The only prime numbers
- **Boly – Wolves – 15 – Correct Answer**

Team photo

- A. Harry Maguire (1.94m)
- B. Mat Ryan (1.84m)
- C. Patrick Von Aanholt (1.76m)
- D. Callum Wilson (1.80m)
- E. Sébastien Haller (1.90m)