

THE NUMBERS GAME: RIGHT BACK CHALLENGE CARDS MULTIPLICATION AND DIVISION



Multiplication and Division



1a)

How many UEFA Champions League football players are shown here?

There are ____ players.





1b)

How many UEFA Champions League football players are shown here?

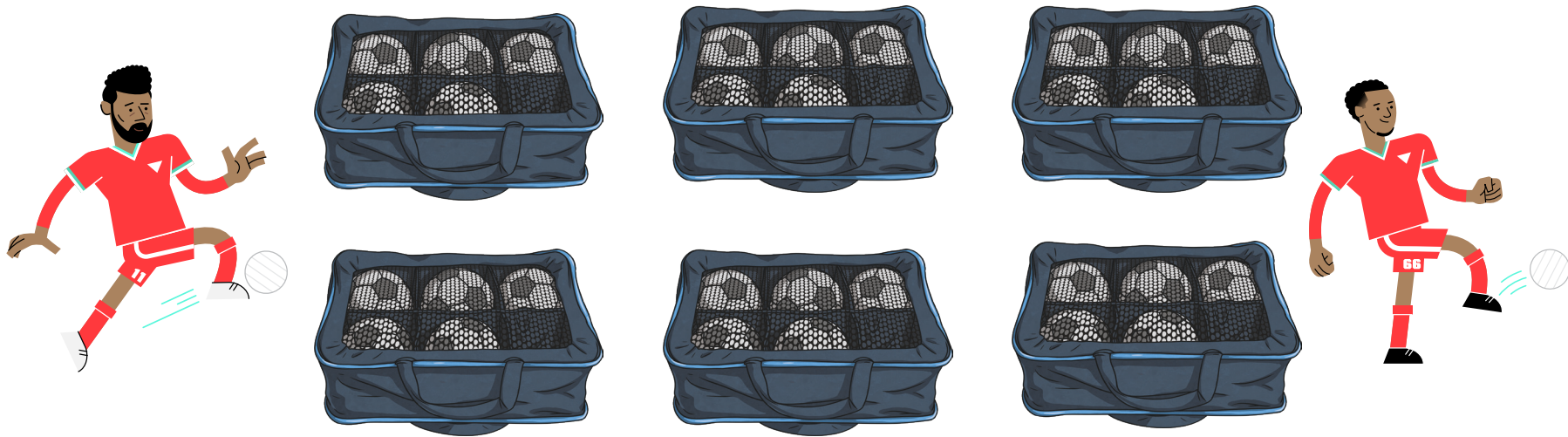
There are ____ players.



2a)

Each team has bags of footballs to use for training. Each bag has 5 footballs in it.

How many balls do Liverpool FC have? _____

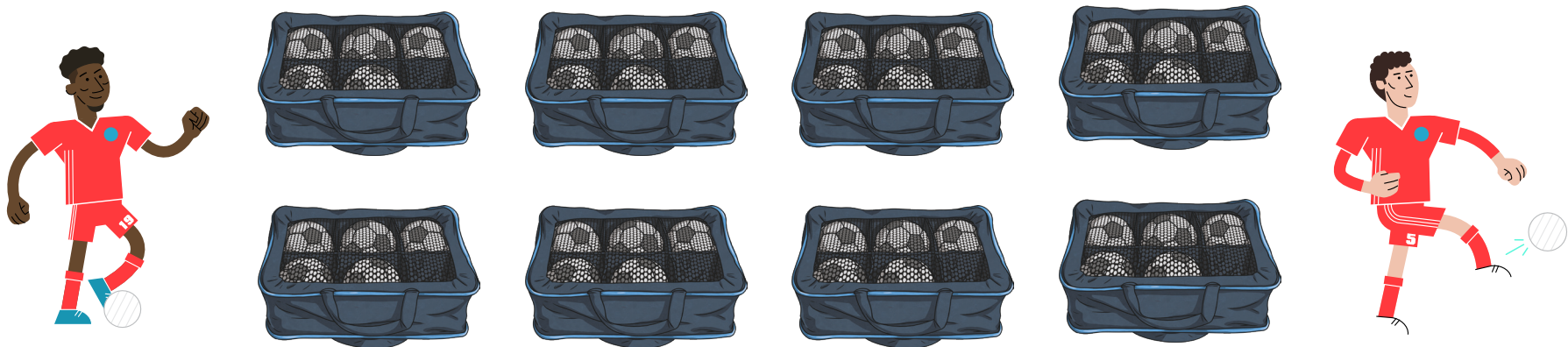




2b)

Each team has bags of footballs to use for training. Each bag has 5 footballs in it.

How many balls do FC Bayern München have? _____

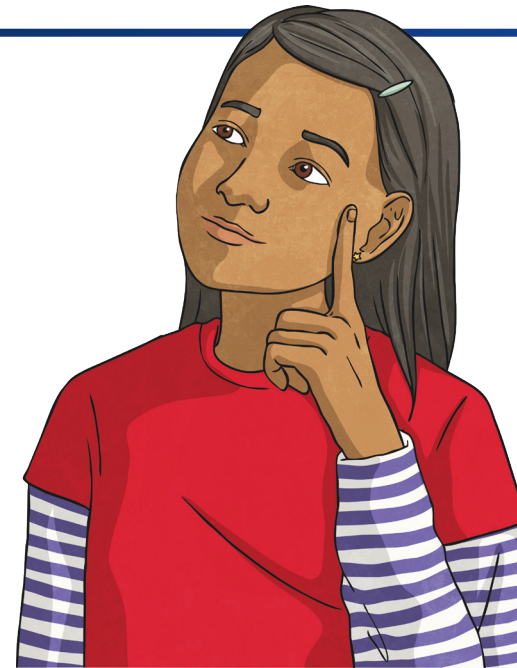




2c)

Each team has bags of footballs to use for training. Each bag has 5 footballs in it.

Club Atlético de Madrid need 50 footballs. How many bags should they buy? _____





3a)

César Azpilicueta plays 7 games in 1 season.
He plays the same number of games each season.
How many games will he have played in 2 seasons?



Multiply my games played by 2.



Multiply my games played by 3.

3b)

Benjamin Pavard plays 5 games in 1 season.
He plays the same number of games each season.
How many games will he have played in 3 seasons?

Multiplication and Division



4a)

Scoring 3 goals in one match is called a hat-trick. Benjamin Pavard scored 6 hat-tricks.

How many goals did he score altogether?

4b)

César Azpilicueta made 4 assists per game for 7 games.

How many assists did he make altogether?

4c)

Trent Alexander-Arnold made 8 successful crosses every game for 6 games.

How many successful crosses did he make altogether?





5a)

Each player and official has 6 studs on the bottom of each of his boots. If there are 11 players in a team and the referee, how many football studs are there on the pitch?



5b)

8 of the players on the pitch make 34 successful passes during the game. How many successful passes were made altogether? _____



6a)

In the UEFA Champions League group stages, each team plays the other teams, home and away, to find the winner of the group.

If each team is awarded 3 points for a win and 1 point for a draw, find the total number of points each team scored. _____

Club	Matches Played	Won	Drawn	Lost
Club Atlético de Madrid	6	3	1	2
FC Lokomotiv Moskva	6	1	0	5
Juventus	6	5	1	0
Atalanta BC	6	2	0	4



6b)

Put the teams in order from highest to lowest points total.



Club	Matches Played	Won	Drawn	Lost
Club Atlético de Madrid	6	3	1	2
FC Lokomotiv Moskva	6	1	0	5
Juventus	6	5	1	0
Atalanta BC	6	2	0	4



7)

During one UEFA Champions League game, Benjamin Pavard of Bayern Munich completed between 20 and 40 passes.

When the number of passes are counted in threes, there is 1 remainder. If they are counted in sevens, there are 2 left over.

7a)

How many passes did Benjamin Pavard complete?

7b)

He makes the same number of passes in the next 3 games. How many passes does he make altogether?



Multiplication and Division



8)

In the UEFA Champions League group stages, there are 8 different groups.

There are 4 teams in each group.

Each team plays the other teams, home and away, to find the winner of the group.

This table shows the final results from group E in the group stages of the 2019/20 UEFA Champions League.

Group E	Matches Played	Points
Liverpool FC	6	13
S.S.C. Napoli	6	12
RB Leipzig	6	7
K.R.C. Genk	6	1

8a)

Using the information given, work out all the combinations of teams playing in group E to find the total number of matches played in this group. How many matches were played in total in all groups?



8b)

If an average of 26 crosses are attempted in each group stage game, how many crosses will be attempted, on average, across all of the group stage games?





9a)

Look at these players' shirt numbers. Find all the shirt numbers that are square numbers.

César Azpilicueta 28	Roberto Firmino 9	Toni Kroos 8	Ederson 31	Benjamin Pavard 5
Kylian Mbappé 7	Lionel Messi 10	Kieran Trippier 23	Vinícius Júnior 25	Kevin De Bruyne 17

9b)

Find all the shirt numbers that are prime numbers.



10a)

Kevin De Bruyne, Riyad Mahrez, Raheem Sterling, İlkay Gündoğan, Fernandinho and Sergio Agüero from Manchester City FC made 2916 passes in total.

If each player made an equal number of passes, how many passes did Raheem Sterling make? _____



10b)

In the next game, Manchester City FC made 3 times as many passes.

Those passes were shared equally among 12 of the players in the squad.

How many passes did each player make?



11a)

S.S.C. Napoli scored 12 goals. The number of attempts that they made to try and score a goal was a multiple of 6, between 90 and 120, with a digit total of 6. How many attempts on goal did S.S.C. Napoli make?

11b)

Chelsea FC scored 12 goals. The number of attempts that they made to try and score a goal was a multiple of 7, between 90 and 140, with a digit total of 7. How many attempts on goal did Chelsea FC make?



Multiplication and Division Answers

1a) There are **15** players.

1b) There are **16** players.

2a) **30 balls**

2b) **40 balls**

2c) **10 bags**

3a) **14**

3b) **15**

4a) **18 goals**

4b) **28 assists**

4c) **48 successful crosses**

5a) **144**

5b) **272**

6a) **Club Atlético de Madrid = 10, FC Lokomotiv Moskva = 3, Juventus = 16, Atalanta BC = 6**

6b) **Juventus = 16, Club Atlético de Madrid = 10, Atalanta BC = 6, FC Lokomotiv Moskva = 3**

7a) **37 passes (Counted in threes, this is 12r1 and counted in sevens, it is 5r2.)**

7b) **$37 \times 3 = 111$**

8a) **In group E, the matches are: Liverpool FC vs S.S.C. Napoli, Liverpool FC vs RB Leipzig, Liverpool FC vs K.R.C. Genk, S.S.C. Napoli vs RB Leipzig, S.S.C. Napoli vs K.R.C. Genk, RB Leipzig vs K.R.C. Genk, home and away, so $6 \times 2 = 12$ matches played. All groups: $8 \times 12 = 96$**

8b) **$96 \times 26 = 2496$**

9a) **9 and 25**

9b) **5, 7, 17, 23, 31**

10a) **486**

10b) **$2916 \times 3 = 8748$**

$8748 \div 12 = 729$

11a) **114**

11b) **133**