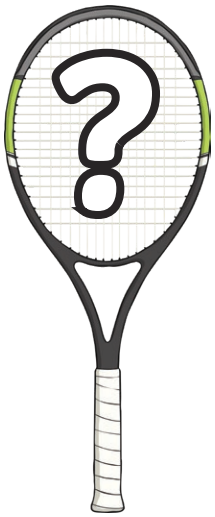
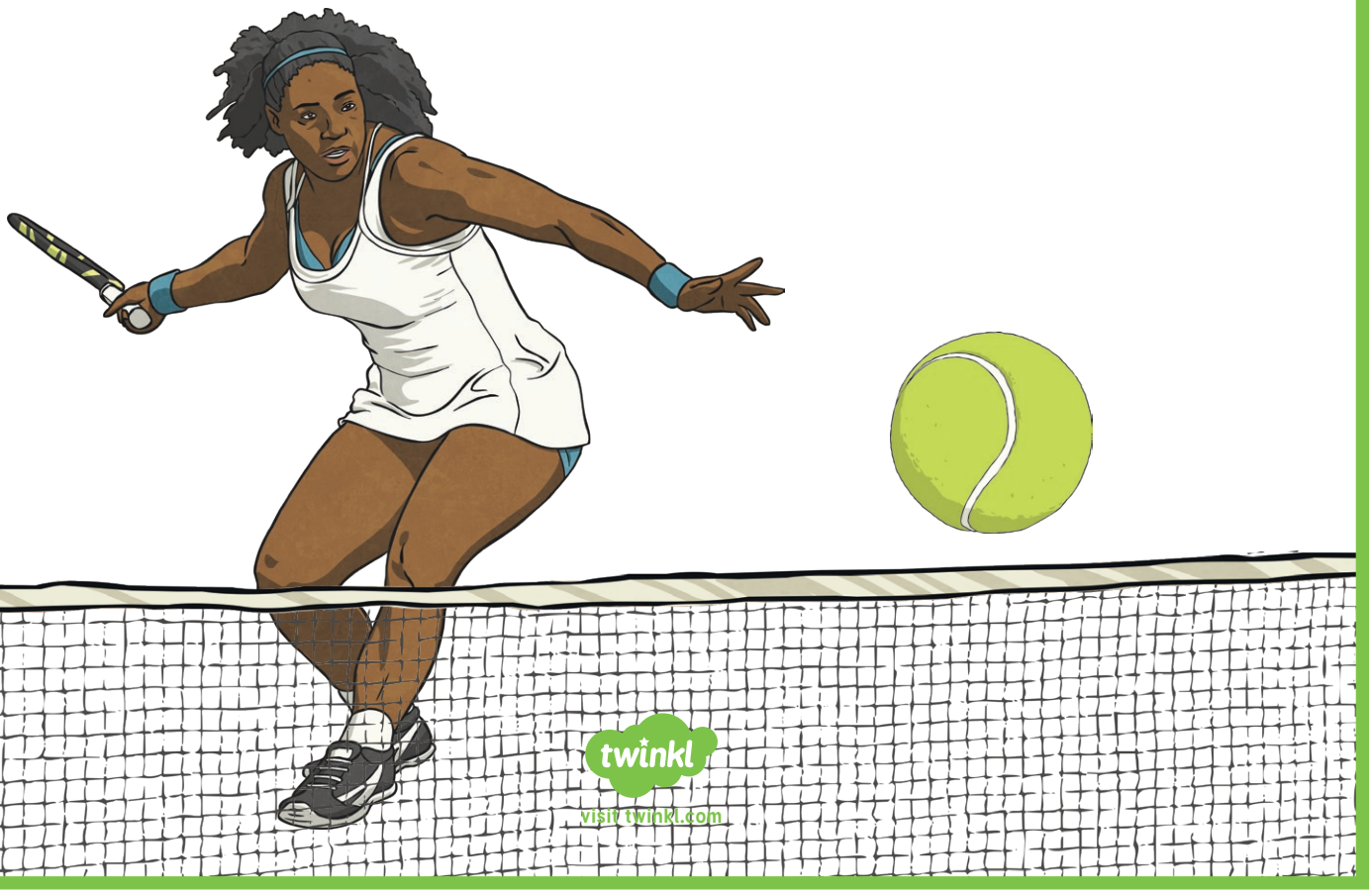
The Mystery of the Missing Tennis Racket



At this year's prestigious world tennis championships, the players are all prepared to challenge for the famous trophy. However, at the last minute, one of the top players discovers that her favourite tennis racket has gone missing. Without her racket, there is no way that she can compete!

All of the other players spring into action and start searching for the missing equipment.

Can you solve the problems to see which helpful player discovers the whereabouts of the tennis racket?

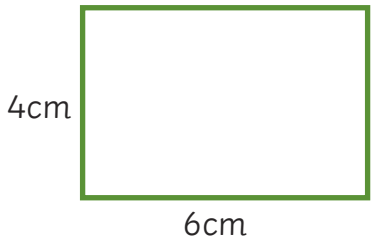


Player	Gender	Continent	Age	Kit Colour	Tennis Skill
Anna Avraham	Female	Asia	24	Red	Serve
Bailey Brown	Male	Europe	22	Green	Volley
Chow Chu	Female	Asia	20	White	Slice
Daniel Diaz	Male	South America	21	Blue	Speed
Elif Earl	Female	Australasia	27	Purple	Backhand
Felix Falade	Male	Africa	31	Black	Slice
George Gonzales	Male	North America	35	White	Serve
Harnam Hafeez	Female	Australasia	25	Green	Volley
India Ings	Female	Europe	30	Purple	Serve
Joshua Jelani	Male	Africa	21	White	Slice
Kuljeet Kimura	Female	Asia	23	Green	Volley
Li Lopez	Male	South America	24	Black	Speed
Matt Martin	Male	Australasia	34	Blue	Backhand
Nikita Naylor	Female	North America	31	Black	Slice
Odetta Otto	Female	Europe	30	Green	Serve
Preet Patel	Male	Asia	20	Purple	Volley
Queenie Quarrie	Female	Australasia	19	Blue	Backhand
Rehan Romero	Male	South America	23	White	Serve
Sophie Selassie	Female	Africa	22	Black	Speed
Thierry Toussaint	Male	Europe	32	Purple	Volley
Violet Vera	Female	North America	27	Blue	Speed
Wen Wu	Female	Asia	24	Black	Slice

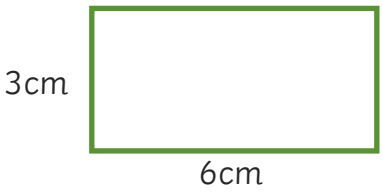
Clue 1: Perimeter

Calculate the perimeter of each rectangle.

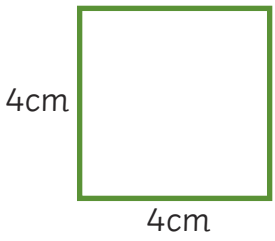
The solution that occurs the most will give a clue about who finds the tennis racket.



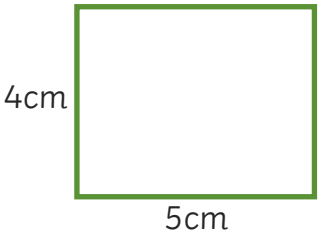
Perimeter = _____



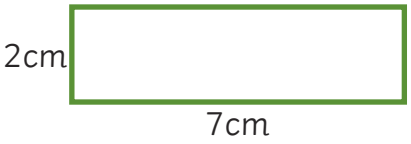
Perimeter = _____



Perimeter = _____

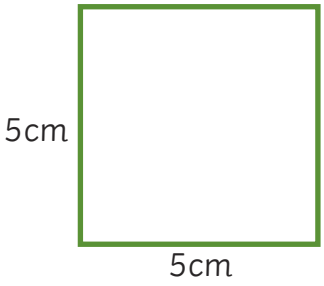


Perimeter = _____

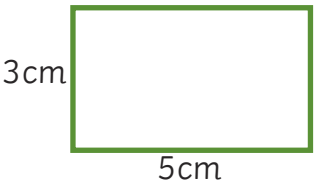


Perimeter = _____

Perimeter = _____



Perimeter = _____



Perimeter = _____

Perimeter = _____

16cm	18cm	20cm
The player doesn't come from Africa.	The player doesn't come from Australasia.	The player doesn't come from Asia.

Clue: The player who finds the tennis racket doesn't come from _____.

Clue 2: Decimal Equivalents

Find a path through the maze by colouring in the equivalent measurements that are correct. You can only move vertically or horizontally.

The path will reveal a clue about the player who finds the tennis racket.

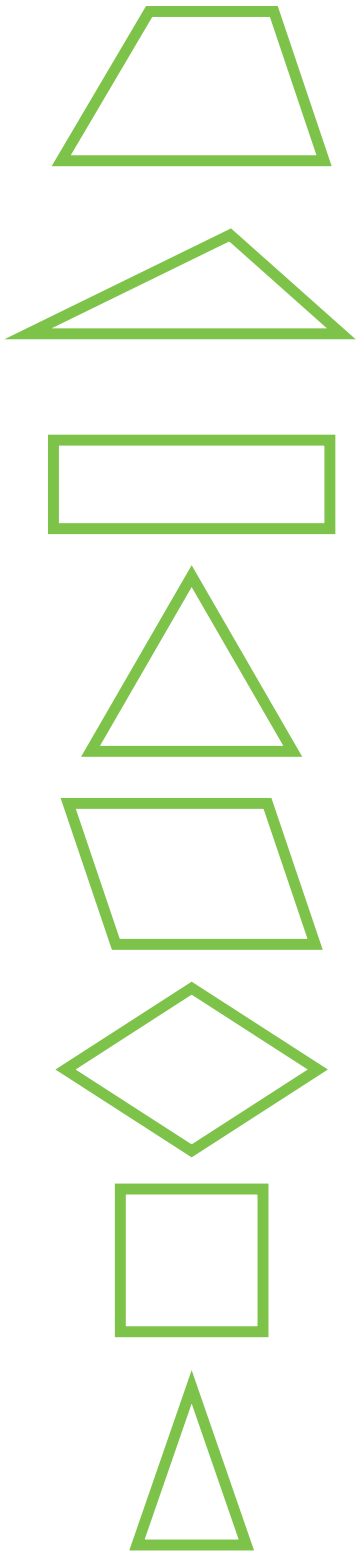
Start	5.1kg = 510g	3200m = 3.2km	12mm = 1.2cm	400ml = 0.4l
580m = 0.58km	3.4l = 3400ml	170cm = 1.7m	32cm = 3200mm	4.3kg = 4300g
450g = 0.405kg	34cm = 3.4mm	290ml = 2.9l	380m = 0.38km	23cm = 0.23m
430cm = 4.3m	12mm = 1.2cm	240m = 2.4km	7200g = 7.2kg	0.76l = 76ml
12km = 1200m	620g = 0.62kg	12m = 120cm	9.2l = 9200ml	59mm = 5.9cm
980ml = 0.98l	870cm = 8.7m	730m = 0.73km	340mm = 3.4cm	10kg = 10 000g
The player's special skill is not a volley or serve.	The player's special skill is not a slice or backhand.	The player's special skill is not a backhand or speed.	The player's special skill is not speed or a volley.	The player's special skill is not a slice or serve.

Clue: The tennis skill of the player who finds the racket isn't _____.

Clue 3: Triangles and Quadrilaterals

Match each shape to its name.

The one remaining box will give you a clue about the player who finds the racket.



parallelogram The player's kit is green or black.
equilateral triangle The player's kit is green or blue.
trapezium The player's kit is white or black.
square The player's kit is green or purple.
scalene triangle The player's kit is blue or white.
rectangle The player's kit is purple or white.
right-angled triangle The player's kit is blue or black.
isosceles triangle The player's kit is black or purple.
rhombus The player's kit is white or green.

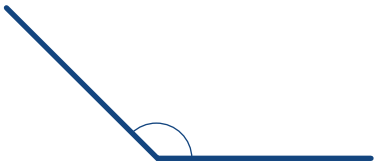
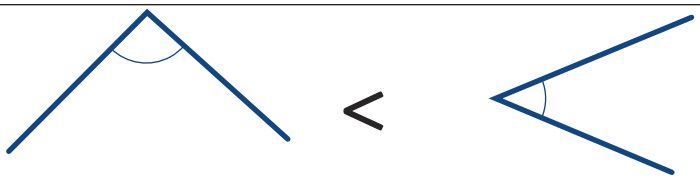
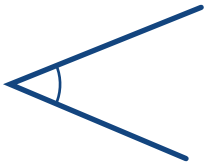
Clue: The player who finds the racket has a _____ or _____ kit.

Clue 4: Angles

Check if these statements about angles are true or false. If it is true, put a tick. If it is false, put a cross. Count the number of ticks and crosses.

If there are more ticks than crosses, the player who finds the racket is female.

If there are more crosses than ticks, the player who finds the racket is male.

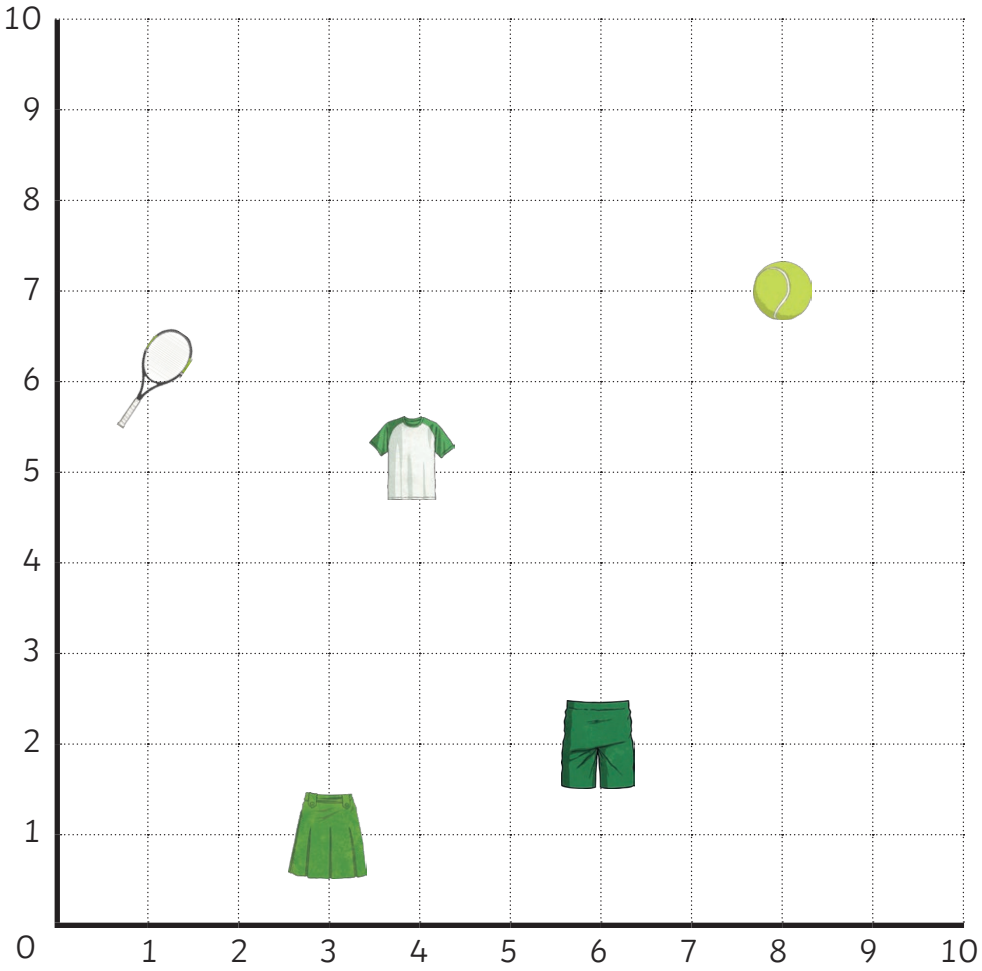
	True ✓	False ✗
 is an acute angle		
 is an obtuse angle		
		
 is an acute angle		
		
 is an obtuse angle		
		
Total		

(Circle the correct answer.)

Clue: The player who finds the tennis racket is a female/male.

Clue 5: Coordinates Grid

Look at the coordinates grid.



In each row, colour the correct coordinates for each picture.

The column with the most correct answers will tell you about the age of the player who finds the racket.

	(7,8)	(7,9)	(8,7)	(8,8)
	(6,2)	(1,6)	(0,6)	(6,1)
	(5,5)	(4,6)	(5,4)	(4,5)
	(6,2)	(3,6)	(2,6)	(6,3)
	(2,3)	(3,1)	(1,3)	(4,2)
	19-22	**23-26**	**27-30**	**31-35**

Clue: The player who finds the racket is aged _____.

The player who was responsible for finding the racket is: _____.