Time for Tea at Wimbledon

Catering

Wimbledon (3rd -16th July 2017, except Sunday 9th) is the largest single annual sporting catering operation carried out in Europe. Average quantities supplied by the caterers are as follows:

- 330 000 cups of tea

- 320 000 glasses of Pimm's

- 234 000 roast dinners

- 230 000 bottles of water

- 110 000 pints of draught beer and lager

- 86 000 ice creams

- 76 000 sandwiches

- 30 000 pizzas

- 29 000 bottles of champagne

- 25 000 scones

- 16 000 portions of fish and chips

- 10 000 portions of frozen yoghurt

1. Complete the table below to show the mean daily consumption of each food or drink.

Food and Drink	Daily Estimate
330 000 cups of tea	
320 000 glasses of Pimm's	
234 000 roast dinners	
230 000 bottles of water	
110 000 pints of draught beer and lager	
86 000 ice creams	
76 000 sandwiches	
30 000 pizzas	
29 000 bottles of champagne	

25 000 scones	
16 000 portions of fish and chips	
10 000 portions of frozen yoghurt	

2. Which drink is the most popular?

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3. Which food is the most popular?

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4. Create a bar chart to show the average daily food and drink sales for each category given.

5. For each item of food and drink, express each quantity as a proportion of the total, in decimal and percentage form.
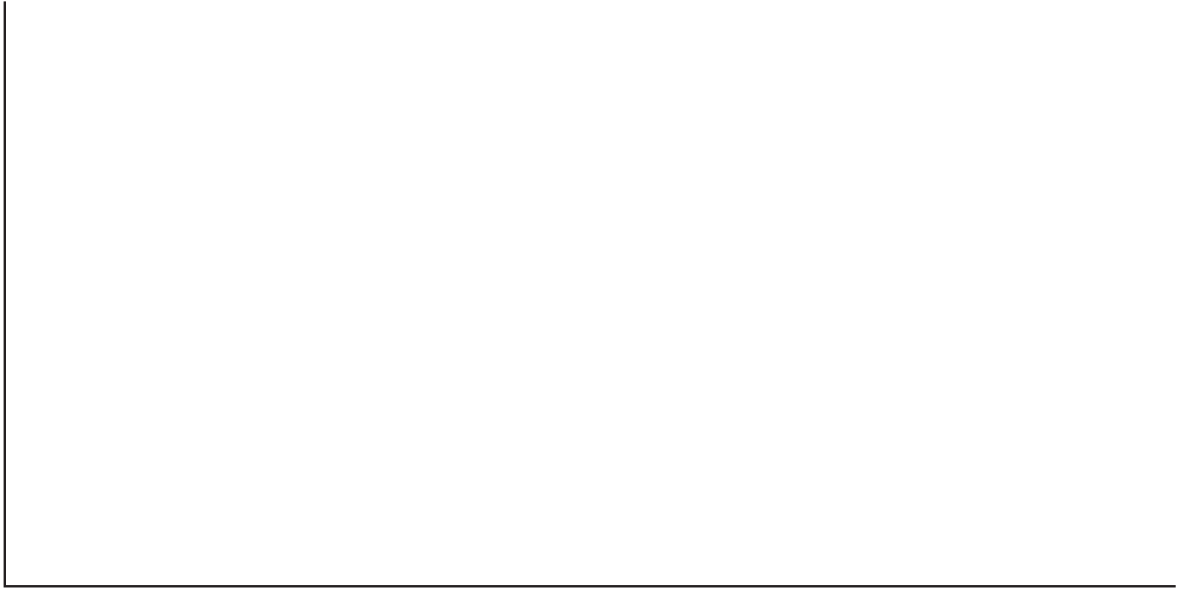
Food and Drink	Decimal	Percentage
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320 000 glasses of Pimm's		
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230 000 bottles of water		
110 000 pints of draught beer and lager		
86 000 ice creams		
76 000 sandwiches		
30 000 pizzas		
29 000 bottles of champagne		
25 000 scones		
16 000 portions of fish and chips		
10 000 portions of frozen yoghurt		

28 000 kg of strawberries are sold each year served with 10 000 litres of cream.

The price of strawberries and cream has changed over the years at Wimbledon.

1993-94	£1.70	2001	£1.85
1995	£1.75	2002	£1.95
1996	£1.80	2003-07	£2.00
1997-98	£1.85	2008-09	£2.25
1999	£1.75	2010-17	£2.50
2000	£1.80		

6. Create a line graph to show the change in price of strawberries and cream

7. Work out the mean, median, mode and range for the cost of strawberries and cream

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8. Show the ratio of strawberries (kg) to cream (ml) in its simplest form

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