Inference, Deduction and Problem Solving Booklet 2

Teacher's Answer Booklet

City's Next Match Poster

Brunton City - Inference and Problem Solving 1, Answers

1.	Against whom are Brunton playing on March 18th?
	Elmetton United
2.	If the match starts at 3 pm, the first half lasts 45 minutes plus 5 minutes injury time, there is a 15 minute break at half time and the second half, including injury time lasts 50 minutes, at what time will the match finish?
	4;55 pm
3.	At the end of the season, if Brunton get promoted and move a league up, what league will they be in?
	Football League Division 1
4.	If Grandad, who is 70, takes his son (45 years old) and his daughter-in-law (42) and their two children, Sam (11) and Emma (8), how much will it cost him?
	£76 (3 X £12 concessions) + (2 X £20)
5.	How many days after the match against Elmetton United is the reserve match?
	4 days
6.	If Grandad takes the whole family again to the reserves match, how much less than the Elmetton match will it cost him?
	£76- £25 = £51
7.	Who is sponsoring the match?
	McDougall's Car Sales
8.	What is the slogan of the match sponsors?
	Wheels + deals = Squeals of Joy.

Footballer's Nicknames

Brunton City - Inference and Problem Solving 2, Answers

Footballers often have nicknames. Using your imagination and knowledge can you link these Brunton City players to their nicknames and explain why they have them?

The first one has been done for you.

Player name	Nickname	Reason
Mick White	Nosey	Snow White
Stuart Street	Homer	One Way Street
Billy Parker	Big Mac	Nosey Parker
Joe Thompson	Snowy	Thommo Thompson
Steve Simpson	Shotgun	Homer Simpson
Andy Bell	Theresa	Ding-Dong Bell
Dave Cannon	Woof	Both are kinds of guns
Paul May	One-way	Theresa May
Hamish MacDonald	Ding-Dong	A Big Mac McDonalds burger
Scott Barker	Thommo	Dogs bark and go Woof

Results Data Sheet
Brunton City - Inference and Problem Solving 3
Answers

1.	Of their first ten matches, how many did Brunton City win?
	4.
2.	If Brunton City get three points for winning a game and one point if they draw a game, after ten matches how many points do they have?
	15. 4 X3 points (12) + 3 X 1 point (3).
3.	Which team did they play twice?
	Rorston City
4.	Against which team did they score most goals?
	Polbury
5.	Against which team did Brunton City get their biggest home crowd?
	Shibley Athletic
6.	Which team scored four goals against Brunton City?
	Wareham Town
7.	Which match had the lowest crowd and where was it played?
	Elmetton at Elmetton.
8.	In total, how many goals did Brunton City score in these ten matches?
	18
9.	How many of all the goals Brunton City scored were scored in the first half of their matches?
	7
10.	What percentage of their first ten matches did Brunton City lose?
	30%

Player Biographies
Brunton City - Inference and Problem Solving 4
Answers

1.	Which two players were born locally?
	Mick White and Paul May
2.	Why has Stuart Street only made thirty six appearances?
	He has had knee injuries.
3.	In five years time, which player is unlikely still to be playing for Brunton City?
	Steve Simpson
4.	If Steve Simpson has played for Brunton City 400 times, on average how many times has he played each season?
	40 (400/10)
5.	When Dave Cannon joined the club, how much did he cost?
	£190 000
6.	How old is Andy Bell?
	17
7.	Who takes the team's penalties?
	Steve Simpson
8.	Which player cost the most money?
	Stuart Street
9.	Who might have found a Swedish phrase book useful last year?
	Andy Bell
10.	What is the difference in height between the tallest player and the shortest player?
	30cms.

Sponsor's Message
Brunton City - Inference and Problem Solving 4
Answers

1.	If MacDeans double their workforce how many people will they now employ?
80	
2.	What two factors led to an increase in business?
A reputation for being fair and honest.	
3.	How many years ago did Ian MacDean first start his business?
60	
4.	Where are the larger premises situated?
On the by-pass to the east of the town	
5.	In what direction would you have to travel from the old premises to the new ones?
South east	
6.	After how many years did Andrew join the business?
23	
7.	What do you think "through thick and thin" might mean?
Successful times and unsuccessful times.	
8.	What does Andrew hope might happen at the end of the season?
Promotion to the next league	
9.	If you watched Brunton City, how would you know MacDeans sponsored them?
MacDean's name on the shirts.	
10.	What is Andrew Mac Dean's job title?
Managing Director, MacDean's Car Sales.	

Team Colours
Brunton City - Inference and Problem Solving 6
Answers

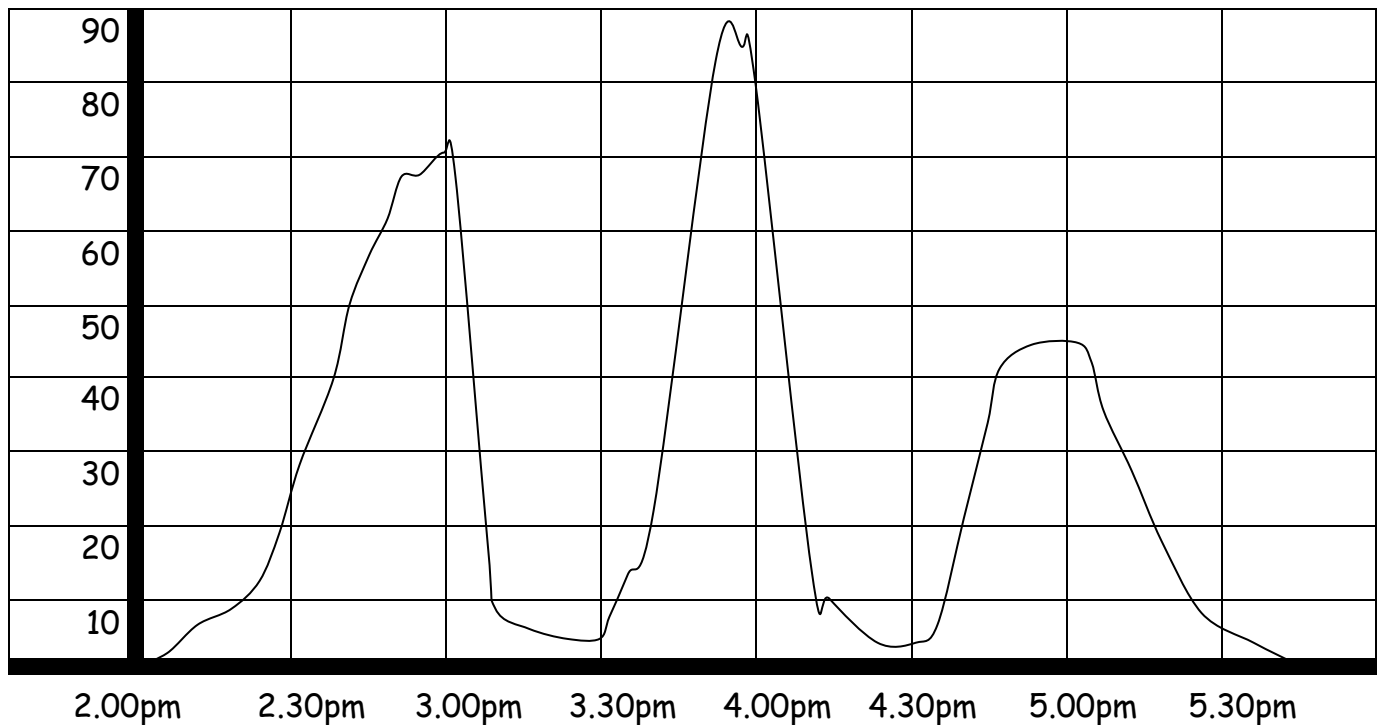|	
1.	Which teams have vertically striped shirts?
	Shibley Athletic, Masterton United and Polbury
2.	Which three teams have a shirt of one plain colour?
	Wareham Town, Elmetton and Rorston City
3.	Name a team whose kit is made up of three colours?
	Bainton Villa or Shibley Athletic
4.	Polbury have the colour 'Amber' in their shirts. What colour is amber? Where might you see this colour as you drive around especially at traffic lights?
	Orange/ yellow, the middle light in traffic lights.
5.	Which teams have shirts with a horizontal stripe?
	Brunton City and Philchester
6.	Which team's colours might give them a nickname of 'The Canaries'? Why?
	Briscombe Rovers, because the yellow and green are the same colours as a canary bird.
7.	The main colour of Bainton Villa's shirts is claret. Claret is a kind of dark wine. What colour do you think claret is?
	Dark red/ purple
8.	The two teams that are called City share what colour on their shirts?
	Red (Brunton City and Rorston City)
9.	Which team might have the nickname of 'The Zebras'. Why?
	Masterton United, their black and white stripes look like a zebra.
10.	If you arranged the list of these teams alphabetically, what colour socks would the first team on the list have?
	White, Bainton Villa

1.	What are the most expensive items on the Tea Bar menu?
	Hot dog with onions and a burger with onions- £2.50
2.	What are the cheapest items on the Tea Bar menu?
	Baked beans and mushy peas - £1
3.	If you were a vegetarian, what cold sandwiches could you eat?
	Cheese sandwich, Egg Mayonnaise sandwich and Tuna Mayonnaise sandwich
4.	If you wanted a non-fizzy, cold drink what could you choose?
	Fresh orange juice
5.	If you were a vegetarian what hot food could you choose?
	Chips, baked beans and Mushy Peas
6.	If you chose meat pie and chips, how much change would you get from £5?
	£1.50 (£2.00 + £1.50 = £3.50) £5—£3.50 = £1.50
7.	It is traditional at football matches to drink Bovril, do you know what it is and why might it not be suitable for a vegetarian?
	A hot beefy drink made from animals.
8.	If you chose a hot dog, a burger with onions, a portion of chips, a tea and a can of Irn Bru, how much would it cost?
	£9. (£2.00 + £2.50 + £1.50 + £1.50 + £1.50 = £9
9.	How many cans of Dr Pepper could you buy for £10?
	6
10.	What do you think the healthiest choice of food and a drink would be?
	Tuna Sandwich, Egg Sandwich, Cheese Sandwich and Fresh Orange.

Parsonage Road Tea Bar Graph Data
Brunton City - Inference and Problem solving 8
Answers

The tea bar at Parsonage Road, home to Brunton City, is open when matches are played. Here is a graph that shows the number of customers who used the tea bar for a match against Rorston City, kick off 3 pm on a Saturday. Can you answer the questions using the data from the graph?

1.	How many customers were in the Tea Bar at 2.30 pm?
	25
2.	Why do you think there is a rush of people just before 4 pm?
	It would be half time in the match and people would want a drink.
3.	How many customers were in the Tea Bar at 5 pm?
	45.
4.	At about what time is the Tea Bar at its busiest? How many customers are there then?
	Just before 4 o'clock, about 88.
5.	Why do you think the Tea Bar is quiet at 3.30?
	Everyone will be watching the football.