

Interpret and construct pie charts and line graphs and use these to solve problems
ANSWERS

Colour	No. of votes	Calculate the degrees on pie chart	Degrees on pie chart
Red	30	Each vote uses up 2 degrees	60
Yellow	35		70
Blue	55		110
Green	40		80
Brown	20		40
TOTAL	180		360

1b) Fill in the missing data in this school survey of favourite sports. Then draw the pie chart

Favourite sport	No. of votes	Calculate the degrees on pie chart	Degrees on pie chart
Tennis	12	Each vote uses up 6 degrees	72
Football	19		114
Rugby	14		84
Netball	15		90
TOTAL	60		360

1c) Here is data showing the population of 5 capital cities (2012) rounded to the nearest hundred thousand.

Capital city	Population (rounded to nearest 100,000)	Calculate the degrees on pie chart	Degrees on pie chart
London	8,200,000	Each person uses up 0.00002 degrees Each degree represents 50,000 people	164
Nicosia	200,000		4
New Delhi	300,000		6
Paris	2,300,000		46
Manila	1,700,000		34
Singapore	5,300,000		106
TOTAL	18,000,000		360

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