









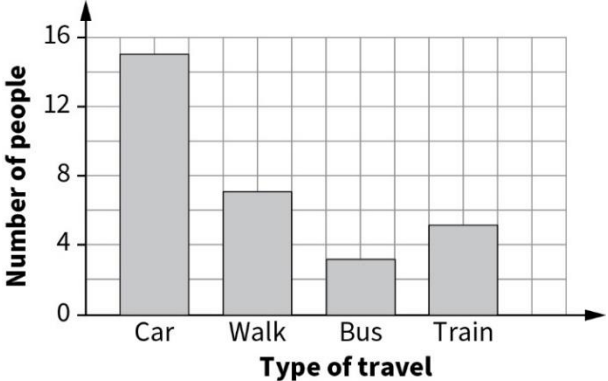
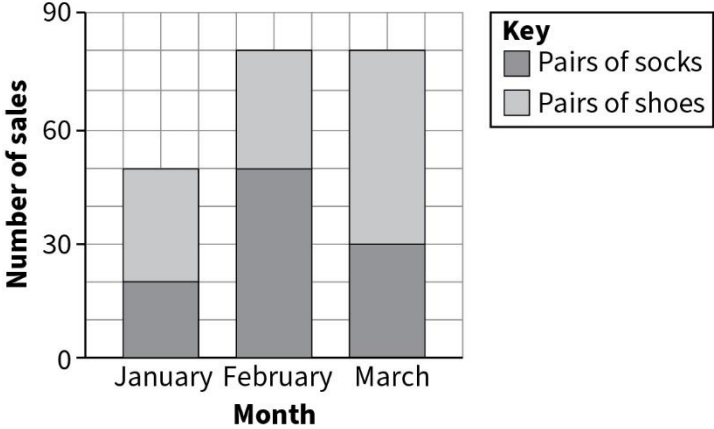


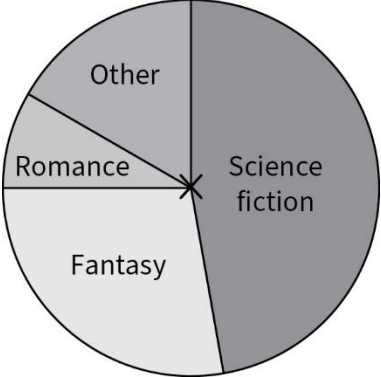
# Oxford Revise | AQA GCSE Maths Foundation | Answers

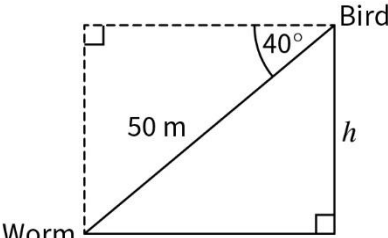
## Chapter 29 Tables, charts, and graphs

Question	Answer	Extra information	Marks						
29.1	Frequencies, top to bottom: 5, 6, 2, 5, 2	Maximum 1 error All correct	1 1						
29.2	1 pet		1						
29.3 (a)	30 children are represented by 7.5 cones, so each cone represents 4 children		1						
29.3 (b)	$10.5 \times 4 = 42$		1						
29.3 (c)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Vanilla</td> <td></td> </tr> <tr> <td>Strawberry</td> <td></td> </tr> <tr> <td>Chocolate</td> <td></td> </tr> </table> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p><b>Key</b></p>  = _____ children</div>	Vanilla		Strawberry		Chocolate		5 ice creams drawn for vanilla	1 1 1
Vanilla									
Strawberry									
Chocolate									

Question	Answer	Extra information	Marks
29.4		<p>Any linear scale on vertical axis and both axes labelled</p> <p>One correct bar</p> <p>Fully correct</p>	<p>1</p> <p>1</p> <p>1</p>
29.5 (a)	20		1
29.5 (b)	$50 - 30 = 20$		1
29.5 (c)		<p>Correct height of bar for March for either socks or shoes</p> <p>Fully correct</p>	<p>1</p> <p>1</p>

Question	Answer	Extra information	Marks																
29.6 (a)	<table border="1"> <caption>Profit (£) by Month</caption> <thead> <tr> <th>Month</th> <th>Profit (£)</th> </tr> </thead> <tbody> <tr> <td>Jan</td> <td>3000</td> </tr> <tr> <td>Feb</td> <td>3500</td> </tr> <tr> <td>Mar</td> <td>4200</td> </tr> <tr> <td>Apr</td> <td>4500</td> </tr> <tr> <td>May</td> <td>4000</td> </tr> <tr> <td>Jun</td> <td>5000</td> </tr> <tr> <td>Jul</td> <td>6000</td> </tr> </tbody> </table>	Month	Profit (£)	Jan	3000	Feb	3500	Mar	4200	Apr	4500	May	4000	Jun	5000	Jul	6000	<p>Any 6 points correctly plotted and joined with a straight line</p> <p>Fully correct</p>	<p>1</p> <p>1</p>
Month	Profit (£)																		
Jan	3000																		
Feb	3500																		
Mar	4200																		
Apr	4500																		
May	4000																		
Jun	5000																		
Jul	6000																		
29.6 (b)	The profits are increasing over time.		1																
29.7 (a)	Attendance falling overall		1																
29.7 (b)	Weeks 1 and 4	Both must be correct	1																
29.7 (c)	Between 100 and 200 people		1																
29.8	<p>The sector with 16–24 year olds is a right angle, so:</p> <p><math>200 \div 4 = 50</math> people</p>		1																

Question	Answer	Extra information	Marks
29.9	<p>Angles: Sci fi 170°, Fantasy 100°, Romance 30°, Other 60°</p> 	<p>Correct proportion of each book type</p> <p>Angles correctly measured</p> <p>Fully labelled and correct</p>	<p>1</p> <p>1</p> <p>1</p>
29.10	<p>No, as there might be fewer students at Summerton High</p>	<p>Any comment that refers to not knowing how many students are at each school</p> <p>Convincing reasoning</p>	<p>1</p> <p>1</p>

Question	Answer	Extra information	Marks
29.11	$20 \div 4 = 5$ , so each side measures 5 cm $\text{Area} = 5^2 = 25 \text{ cm}^2$	Derive side length from perimeter Calculate area	1 1
29.12	 $h = 50 \sin 40^\circ = 32 \text{ m (2 sf)}$	Use of $\sin 40^\circ$ or $\cos 50^\circ$ $50 \sin 40^\circ$ Correct answer, to 2 sf	1 1 1