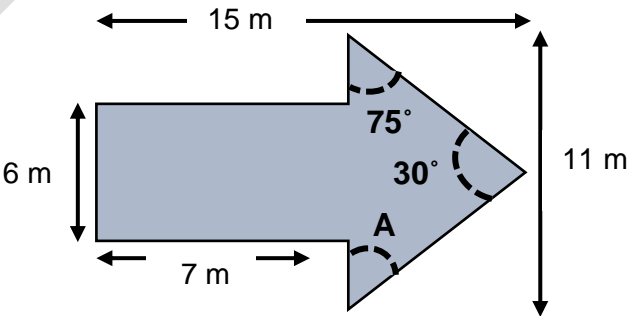


Name:		Chest / Bib Number:	
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No.	Question	Answer	Mark										
1	<p>Below is data from a study on yearly pay rates</p> <p style="text-align: center;">96654, 58018, 61254, 6827, 93785</p> <p>What is the range of the data?</p>	89827	1										
2	<p>100 miles = 160 km.</p> <p>If you travel 190 miles to visit a friend, how many kilometres do you travel?</p>	304 km	1										
3	<p>Sujan collected data on the ages of 11 young people who visited Bharatpur.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Age</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>1-5</td> <td>3</td> </tr> <tr> <td>6-10</td> <td>3</td> </tr> <tr> <td>11-15</td> <td>3</td> </tr> <tr> <td>16-20</td> <td>2</td> </tr> </tbody> </table> <p>Calculate an estimate for the mean age of visitors.</p> <p>Note: Round your answer to the nearest whole number.</p>	Age	Frequency	1-5	3	6-10	3	11-15	3	16-20	2	10 years old	1
Age	Frequency												
1-5	3												
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11-15	3												
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4	<p>You are planning a journey using a map, and measure a distance of 24 cm on the map.</p> <p>The map scale is 1:50000</p> <p>What is the actual distance in km?</p> <p>Note: If needed, round your answer to 1 decimal place.</p>	12.0 km	1										
5	<p>It costs Rs 275 to hire a basketball court for the day. It costs an extra Rs 10 per hour to rent a ball.</p> <p>How much would it cost to rent the basketball court and 5 balls for 3 hours?</p>	Rs 425	1										
6	<p>Sujan is designing a new road sign:</p> 	Image not to scale											
a	What is the area of the road sign?	86 m²	1										
b	Calculate the size of angle A	75°	1										

7	<p>A toy maker is collecting data for his shop. A group of children are asked about their favourite toy:</p> <table border="1" data-bbox="293 136 903 313"> <thead> <tr> <th></th> <th>Boys</th> <th>Girls</th> </tr> </thead> <tbody> <tr> <td>games console</td> <td>48</td> <td>24</td> </tr> <tr> <td>teddy</td> <td>272</td> <td>296</td> </tr> </tbody> </table> <p>What is the probability that a boy's favourite toy is a games console?</p> <p>Note: Give your answer as a percentage.</p>		Boys	Girls	games console	48	24	teddy	272	296	15%	1									
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8	<p>You are packing your bag for a flight. The maximum your bag can weigh is 23 kg. So far you have packed:</p> <p>Reading books: 1 3/5 kg Boots: 7.00 kg Jumpers: 5 kg Sleeping bag: 1495 g First aid kit: 501 g</p> <p>How much more weight, in kg, do you have left?</p> <p>Note: Round your answer to 3 decimal places.</p>	7.404 kg	1																		
9	<p>A car leaves Bharatpur and travels for 2 hour 30 minutes. It travelled at an average speed of 60 km per hour.</p> <p>How far did the car travel?</p> <p>Note: Round your answer to the nearest whole number of km.</p>	150 km	1																		
10	<p>Vision is buying benches for an event. 1559 people are attending the event. One bench can seat 5 people.</p> <p>How many benches does he need to buy so that everyone can sit down?</p>	312 benches	1																		
11	<p>Last year a car was worth £6000. This year it is worth £6840.</p> <p>What is the percentage increase?</p>	14%	1																		
12	<p>A cylindrical can has the following internal dimensions:</p> <p>Height: 14 cm Diameter: 12 cm</p> <p>What volume of produce can you fit in the can? (Use $\pi = 3.14$)</p> <p>Note: Round your answer to 2 decimal places.</p>	1582.56 cm³	1																		
13	<p>Sujan and Vision are going shopping:</p> <table border="1" data-bbox="276 1597 815 1852"> <thead> <tr> <th>Item</th> <th>Cost per Item</th> </tr> </thead> <tbody> <tr> <td>50 grams of wholemeal flour</td> <td>84 pence</td> </tr> <tr> <td>100 grams of chocolate powder</td> <td>£5.50</td> </tr> <tr> <td>100 millilitres of milk</td> <td>£4.80</td> </tr> <tr> <td>100g of butter</td> <td>£6.40</td> </tr> <tr> <td>1 pear</td> <td>32 pence</td> </tr> </tbody> </table> <table border="1" data-bbox="887 1619 1345 1715"> <thead> <tr> <th>Sujan's Shopping List</th> </tr> </thead> <tbody> <tr> <td>400 g of wholemeal flour</td> </tr> <tr> <td>450 g of chocolate powder</td> </tr> </tbody> </table> <table border="1" data-bbox="887 1738 1345 1836"> <thead> <tr> <th>Vision's Shopping List</th> </tr> </thead> <tbody> <tr> <td>7 pears</td> </tr> <tr> <td>150 g of butter</td> </tr> </tbody> </table>	Item	Cost per Item	50 grams of wholemeal flour	84 pence	100 grams of chocolate powder	£5.50	100 millilitres of milk	£4.80	100g of butter	£6.40	1 pear	32 pence	Sujan's Shopping List	400 g of wholemeal flour	450 g of chocolate powder	Vision's Shopping List	7 pears	150 g of butter		
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a.	How much would it cost Sujan to buy the ingredients on his shopping list?	£31.47	1																		
b.	What is the price difference between Sujan and Vision's shopping?	£19.63	1																		