



Maths Focus: using tables and organising data; mathematical language; fractions and percentages; finding differences

Helpful Hints: fill in the data you know after each clue and use working out for clues involving fractions and percentages

Level 1	Level 2	Level 3																																								
<p>Beatrice has been collecting some data about children's favourite chocolate flavours. She asked 30 children in total.</p> <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 70%;">Favourite Chocolate</th> <th style="width: 30%;">Number of Children</th> </tr> </thead> <tbody> <tr><td>White</td><td></td></tr> <tr><td>Milk</td><td></td></tr> <tr><td>Dark</td><td></td></tr> <tr style="background-color: #e0e0e0;"><td>Total</td><td>30</td></tr> </tbody> </table> <p>1. Use the clues to complete the table:</p> <ul style="list-style-type: none"> • 5 children likes dark the best • Half of the total children she asked liked white chocolate the best • 5 less children preferred milk chocolate than those who chose white chocolate 	Favourite Chocolate	Number of Children	White		Milk		Dark		Total	30	<p>Beatrice has been collecting some data about children's favourite animals. She asked 60 children in total.</p> <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 50%;">Favourite Animal</th> <th style="width: 50%;">Number of Children</th> </tr> </thead> <tbody> <tr><td>Cat</td><td></td></tr> <tr><td>Dog</td><td></td></tr> <tr><td>Horse</td><td></td></tr> <tr><td>Hamster</td><td></td></tr> <tr><td>Other</td><td></td></tr> <tr style="background-color: #e0e0e0;"><td>Total</td><td>60</td></tr> </tbody> </table> <p>1. Use the clues to complete the table:</p> <ul style="list-style-type: none"> • 2 children chose a horse • $\frac{1}{6}$ of the children chose a hamster • 12 more children chose a cat than those who chose a hamster • 4 less children chose a dog than those who chose a cat 	Favourite Animal	Number of Children	Cat		Dog		Horse		Hamster		Other		Total	60	<p>Beatrice has been collecting some data about children's favourite sports. She asked 120 children in total.</p> <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 70%;">Favourite Sport</th> <th style="width: 30%;">Number of Children</th> </tr> </thead> <tbody> <tr><td>Swimming</td><td></td></tr> <tr><td>Running</td><td></td></tr> <tr><td>Cycling</td><td></td></tr> <tr><td>Gymnastics</td><td></td></tr> <tr><td>Dance</td><td></td></tr> <tr><td>Other</td><td></td></tr> <tr style="background-color: #e0e0e0;"><td>Total</td><td>120</td></tr> </tbody> </table> <p>1. Use the clues to complete the table:</p> <ul style="list-style-type: none"> • A quarter of the total children chose swimming • 20% of the children chose other • 16 children chose dance • $\frac{1}{10}$ of the children chose gymnastics • 18 more children chose cycling than those who chose dance 	Favourite Sport	Number of Children	Swimming		Running		Cycling		Gymnastics		Dance		Other		Total	120
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