

Canonbury Home Learning

Year 6 Maths

Developing/ Expected/ Greater depth activity

Lesson 3

LO: TBAT interpret data in tables.

Task: You are going apply your knowledge to solve several problems including interpreting data in tables.









Success Criteria:

- | |
|---|
| 1. Read the information of the question. |
| 2. Highlight the key points of the question. |
| 3. Answer the questions by filling in values or information. |

Recap:

Please watch my model video.

Complete at least 2 columns, more if you can!

Task 1	Task 2	Task 3																																																																																																																																								
<p>SATs Book Activities Developing/ Expected Pg. 51</p> <p>Tables</p> <p>To achieve the expected standard, you need to: • complete, read and interpret information in tables.</p> <p>1 Complete the table showing the children's favourite sport.</p> <table border="1" style="font-size: small;"> <tr><th>Favorite sport</th><th>Sally</th><th>Total</th></tr> <tr><td>badminton</td><td>400</td><td>400</td></tr> <tr><td>hockey</td><td>100</td><td>100</td></tr> <tr><td>tennis</td><td>100</td><td>100</td></tr> <tr><td>Football</td><td>100</td><td>100</td></tr> <tr><td></td><td></td><td>100</td></tr> </table> <p>2 a) How much money have the children saved in total? b) How much more has Pav saved than Sally?</p> <table border="1" style="font-size: small;"> <tr><th>Money saved</th><th>Sally</th><th>Ash</th><th>Pava</th><th>Pav</th></tr> <tr><td></td><td>£7.75</td><td>£10.99</td><td>£9.20</td><td>£11.49</td></tr> </table> <p>3 The table shows the days of the week the players are free to play a tennis match.</p> <table border="1" style="font-size: small;"> <tr><th>Player</th><th>Monday</th><th>Tuesday</th><th>Wednesday</th><th>Thursday</th><th>Friday</th></tr> <tr><td>Zack</td><td>✓</td><td></td><td>✓</td><td></td><td>✓</td></tr> <tr><td>Jayden</td><td></td><td>✓</td><td></td><td>✓</td><td></td></tr> <tr><td>Dina</td><td>✓</td><td></td><td></td><td>✓</td><td></td></tr> </table> <p>a) On which day of the week can no matches be played? b) Which two players are not able to have a match together? and</p> <p>4 This table shows how much water was collected in a week in three different containers.</p> <table border="1" style="font-size: small;"> <tr><th>Amount of water container holds</th><th>Container A</th><th>Container B</th><th>Container C</th></tr> <tr><td></td><td>3½ litres</td><td>4½ litres</td><td>2½ litres</td></tr> <tr><td>Number of containers filled</td><td>4</td><td>3</td><td>2</td></tr> </table> <p>a) How much more water can container B hold than container C? b) How many litres have been collected altogether?</p> <p>Greater Depth Pg. 52</p> <p>Tables</p> <p>To achieve the higher score, you need to: • complete missing data in tables using problem-solving skills.</p> <p>1 This table shows how much money the children save.</p> <table border="1" style="font-size: small;"> <tr><th>Money saved</th><th>Sally</th><th>Ashott</th><th>Sam</th><th>Paula</th></tr> <tr><td></td><td>£7.75</td><td>£10.99</td><td>£9.20</td><td>£11.49</td></tr> </table> <p>Tick (✓) the statements that are true.</p> <p>Sam needs to save 20% more to have the same amount as Ashott. <input type="checkbox"/> Sally has saved just over 75% of £10. <input type="checkbox"/> The difference between the amounts saved by two children is 1/5 of a pound (£). <input type="checkbox"/></p> <p>2 During Book Week, the children in a school compare their favourite types of books.</p> <table border="1" style="font-size: small;"> <tr><th></th><th>Story books</th><th>Information books</th><th>Picture books</th><th>Total</th></tr> <tr><td>Boys</td><td>3/8</td><td></td><td>25%</td><td>128</td></tr> <tr><td>Girls</td><td></td><td>49</td><td>15%</td><td>120</td></tr> </table> <p>a) Complete the missing information in the table. b) What fraction of the whole school does not choose story books?</p> <p>3 This table shows the money a town spends on repairs each year.</p> <table border="1" style="font-size: small;"> <tr><th></th><th>Building repairs</th><th>Parks</th><th>Road repairs</th></tr> <tr><td>2015</td><td>£23,300</td><td></td><td>£18,273</td></tr> <tr><td>2016</td><td>£27,308</td><td>£19,826</td><td></td></tr> <tr><td>2017</td><td></td><td>£23,785</td><td>£36,208</td></tr> <tr><td>TOTAL</td><td>£70,000</td><td></td><td>£83,460</td></tr> </table> <p>The total amount spent on parks is 4/5 of the money spent on buildings. Complete the missing information in the table.</p>	Favorite sport	Sally	Total	badminton	400	400	hockey	100	100	tennis	100	100	Football	100	100			100	Money saved	Sally	Ash	Pava	Pav		£7.75	£10.99	£9.20	£11.49	Player	Monday	Tuesday	Wednesday	Thursday	Friday	Zack	✓		✓		✓	Jayden		✓		✓		Dina	✓			✓		Amount of water container holds	Container A	Container B	Container C		3½ litres	4½ litres	2½ litres	Number of containers filled	4	3	2	Money saved	Sally	Ashott	Sam	Paula		£7.75	£10.99	£9.20	£11.49		Story books	Information books	Picture books	Total	Boys	3/8		25%	128	Girls		49	15%	120		Building repairs	Parks	Road repairs	2015	£23,300		£18,273	2016	£27,308	£19,826		2017		£23,785	£36,208	TOTAL	£70,000		£83,460	<p>Arithmetic</p> <p>1 $734 \times 1 =$</p> <hr/> <p>2 $834 - 10 =$</p> <hr/> <p>3 $919 + 1 =$</p> <hr/> <p>4 $35 + 7 =$</p> <hr/> <p>5 $961 \times 0 =$</p> <hr/> <p>6 $3816 + 345 =$</p> <hr/> <p>7 $7 \times 5 \times 6 =$</p>	<p>Problem Solving/ Reasoning Task 1</p> <p>This picture shows the masses of eight kittens.</p> <div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;">  305 g </div> <div style="text-align: center;">  375 g </div> <div style="text-align: center;">  310 g </div> <div style="text-align: center;">  255 g </div> </div> <div style="display: flex; justify-content: space-around; align-items: flex-end; margin-top: 20px;"> <div style="text-align: center;">  275 g </div> <div style="text-align: center;">  410 g </div> <div style="text-align: center;">  360 g </div> <div style="text-align: center;">  345 g </div> </div> <p>The masses of the kittens are to be put in four groups. Write the missing numbers in the table. One has been done for you.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr><th>Mass in g</th><th>Number of kittens</th></tr> </thead> <tbody> <tr><td>250-299</td><td></td></tr> <tr><td>300-349</td><td></td></tr> <tr><td>350-399</td><td></td></tr> <tr><td>400-449</td><td>1</td></tr> </tbody> </table> <p>What is the difference in mass between the heaviest kitten and the lightest kitten?</p> <p>Task 2</p> <p>Here are the temperatures in four cities at midnight and at midday.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr><th rowspan="2">City</th><th colspan="2">Temperature</th></tr> <tr><th>At midnight</th><th>At midday</th></tr> </thead> <tbody> <tr><td>Paris</td><td>-4°C</td><td>-2°C</td></tr> <tr><td>Oslo</td><td>-13°C</td><td>-7°C</td></tr> <tr><td>Rome</td><td>3°C</td><td>10°C</td></tr> <tr><td>Warsaw</td><td>-6°C</td><td>2°C</td></tr> </tbody> </table> <p>At midnight, how many degrees colder was Paris than Rome? Which city was 6 degrees colder at midnight than at midday?</p>	Mass in g	Number of kittens	250-299		300-349		350-399		400-449	1	City	Temperature		At midnight	At midday	Paris	-4°C	-2°C	Oslo	-13°C	-7°C	Rome	3°C	10°C	Warsaw	-6°C	2°C
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Task 3

Megan likes honey, but not jam.

Alfie likes honey and jam.

Chen does not like honey or jam.

Donna only likes jam.

Write the children's names in the correct parts of the sorting diagram.

	likes honey	does not like honey
likes jam		
does not like jam		