

Y2 – Autumn – Block 2 – Step 2 – Fact families – addition and subtraction bonds within 20 Answers

Question	Answer				
1	b) $12 + 8 = 20$ c) $7 + 13 = 20$ d) There are 21 possible number bonds to 20. Children may work systematically to find them all.				
2	a) $15 + 2 = 17$ $17 = 15 + 2$ $2 + 15 = 17$ $17 = 2 + 15$ $17 - 15 = 2$ $2 = 17 - 15$ $17 - 2 = 15$ $15 = 17 - 2$ b) In the subtraction, the whole (larger number) needs to come first, so the correct subtraction is $17 - 2 = 15$				
3	$5 + 6 = 11$ $11 - 5 = 6$ $6 + 5 = 11$ $11 - 6 = 5$ The other number sentences are: $11 = 5 + 6$ $6 = 11 - 5$ $11 = 6 + 5$ $5 = 11 - 6$				
4	<table border="1"> <tr> <td colspan="2" style="text-align: center;">17</td> </tr> <tr> <td style="text-align: center;">9</td> <td style="text-align: center;">8</td> </tr> </table> $9 + 8 = 17$ $8 + 9 = 17$ $17 - 9 = 8$ $17 - 8 = 9$ $17 = 9 + 8$ $17 = 8 + 9$ $8 = 17 - 9$ $9 = 17 - 8$	17		9	8
17					
9	8				

Y2 – Autumn – Block 2 – Step 2 – Fact families – addition and subtraction bonds within 20 Answers (continued)

Question	Answer										
5	<table border="0"><tr><td>$3 + 7 = 10$</td><td>$10 = 3 + 7$</td></tr><tr><td>$7 + 3 = 10$</td><td>$10 = 7 + 3$</td></tr><tr><td>$10 - 7 = 3$</td><td>$7 - 3 = 10$ ✓</td></tr><tr><td>$3 - 10 = 7$ ✓</td><td>$7 = 10 - 3$</td></tr><tr><td>$10 - 3 = 7$</td><td>$10 - 3 = 7$</td></tr></table>	$3 + 7 = 10$	$10 = 3 + 7$	$7 + 3 = 10$	$10 = 7 + 3$	$10 - 7 = 3$	$7 - 3 = 10$ ✓	$3 - 10 = 7$ ✓	$7 = 10 - 3$	$10 - 3 = 7$	$10 - 3 = 7$
$3 + 7 = 10$	$10 = 3 + 7$										
$7 + 3 = 10$	$10 = 7 + 3$										
$10 - 7 = 3$	$7 - 3 = 10$ ✓										
$3 - 10 = 7$ ✓	$7 = 10 - 3$										
$10 - 3 = 7$	$10 - 3 = 7$										
6	<p>fact family using three number cards, e.g.</p> <p>$5 + 2 = 7$ $2 + 5 = 7$ $7 - 2 = 5$ $7 - 5 = 2$ $7 = 5 + 2$ $7 = 2 + 5$ $5 = 7 - 2$ $2 = 7 - 5$</p> <p>Children may have chosen different sets of numbers. Possible sets are: 5, 2 and 7; 7, 13 and 6</p>										