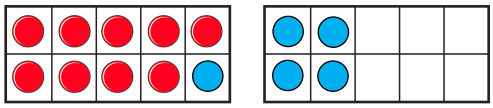
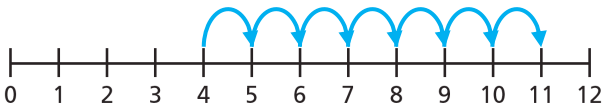
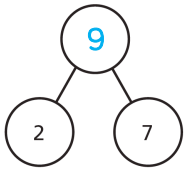
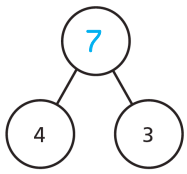
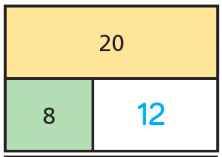
Y1 – Spring – Block 1 – Step 1 – Add by counting on Answers

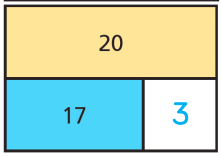
Question	Answer
1	 9 + 5 = 14 There are 14 children on the bus now.
2	 4 + 7 = 11 Eva has 11 coins now.
3	They are both adding together 3 and 11 Ron starts at 3 and counts on 11, while Mo starts at 11 and counts on 3 a) 15 b) 13 c) 18

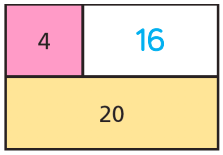
Y1 – Spring – Block 1 – Add ones using number bonds Answers

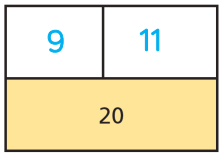
Question	Answer
1	a) 8 b) 18 c) 18
2	a)  b) 
3	a) 19 19 19 19 b) 17 17 17 17
4	14 + 2 ✓ 15 + 2 10 + 6 ✓ 1 + 16 3 + 13 ✓ 12 + 5 11 + 5 ✓ 1 + 15 ✓
5	4 + 5 = 9 7 + 2 = 9 8 + 1 = 9 6 + 3 = 9
6	14 + 5 = 19 17 + 2 = 19 18 + 1 = 19 16 + 3 = 19

Y1 – Spring – Block 1 – Step 2 – Find and make number bonds Answers

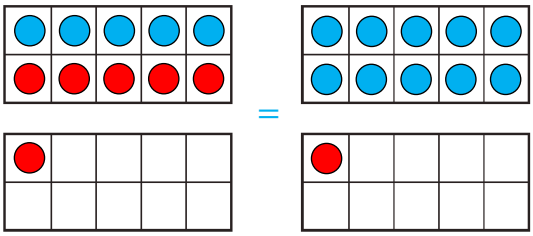
<table>
<tr><th>Question</th><th>Answer</th></tr>
<tr><td>1</td><td>a) 2 + 8 = 10
2 + 18 = 20
b) 3 + 7 = 10
3 + 17 = 20
When one of the numbers in the number bond increases by 10, the answer goes up 20</td></tr>
<tr><td>2</td><td>a) 4 + 6 = 10
4 + 16 = 20
b) 5 + 5 = 10
5 + 15 = 20
c) 10 = 9 + 1
20 = 19 + 1
d) 10 = 3 + 7
20 = 7 + 13</td></tr>
<tr><td>3</td><td>a)
 

b)
 

c)
 

d) any two numbers that add to 20, e.g.:
 
</td></tr>
<tr><td>4</td><td>
<table>
<tr><td>14 + 3</td><td>17 + 3</td><td>2 + 18</td><td>0 + 20</td><td>3 + 16</td><td>9 + 11</td><td>17 + 3</td><td>18 + 2</td><td>2 + 0</td></tr>
<tr><td>18 + 1</td><td>3 + 7</td><td>12 + 7</td><td>5 + 15</td><td>4 + 8</td><td>1 + 19</td><td>13 + 5</td><td>20 + 0</td><td>1 + 15</td></tr>
<tr><td>11 + 8</td><td>11 + 9</td><td>19 + 1</td><td>3 + 17</td><td>10 + 0</td><td>13 + 7</td><td>16 + 2</td><td>8 + 12</td><td>5 + 5</td></tr>
<tr><td>5 + 6</td><td>4 + 16</td><td>19 + 0</td><td>10 + 1</td><td>2 + 0</td><td>14 + 6</td><td>17 + 1</td><td>11 + 9</td><td>11 + 8</td></tr>
<tr><td>12 + 5</td><td>12 + 8</td><td>18 + 2</td><td>15 + 5</td><td>4 + 15</td><td>16 + 4</td><td>10 + 10</td><td>15 + 5</td><td>13 + 3</td></tr>
</table>
children's number bond puzzles</td></tr>
</table>

Y1 – Spring – Block 1 – Step 3 – Add by making 10 Answers

Question	Answer
1	
2	a) 1 b) 6 c) 2 d) 4
3	b) $10 + 3 = 13$ c) $10 + 5 = 15$

Y1 – Spring – Block 1 – Step 4 – Subtraction – not crossing 10 Answers

Question	Answer
1	a) 11 b) 12 c) 17
2	$14 - 3 = 11$ Ben has 11 cones left.
3	a) 11 b) 11 c) 11 d) 11 All the answers are 11. The ones digit of the first number is one more than the second number. $17 - 6 = 11$ $19 - 8 = 11$

Y1 – Spring – Block 1 – Subtraction – not crossing 10 (counting back) Answers

Question	Answer
1	a) 11 b) 11 c) 10
2	a) 11 b) 14 c) 14
3	$18 - 6 = 12$

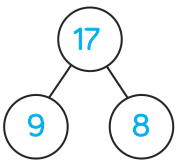
Y1 – Spring – Block 1 – Subtraction – crossing 10 (counting back) Answers

Question	Answer
1	8
2	a) 8 b) 7 c) 5
3	a) 7 b) 7 c) 3
4	Kim takes 8 toys out of the box.

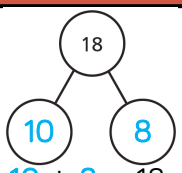
Y1 – Spring – Block 1 – Step 5 – Subtraction – crossing 10 (1) Answers

Question	Answer
1	15 – 6 = 9 Kim has 9 cakes left.
2	13 – 7 = 6 Max has 6 stickers left.
3	a) They have both counted back a total of 5 Ron has counted back in 1s. Sam has counted back 2 to 10 and then another 3 to 7 b) 12 – 6 = 6 15 – 8 = 7 14 – 9 = 5
4	14 – 6 = 8 13 – 6 = 7

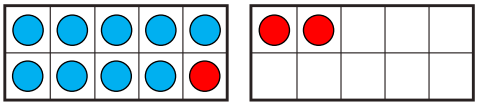
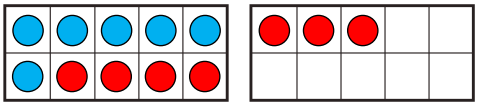
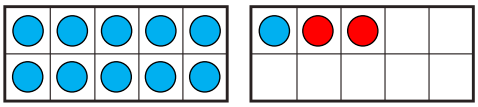
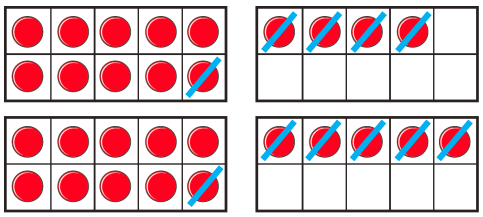
Y1 – Spring – Block 1 – Step 6 – Subtraction – crossing 10 (2) Answers

Question	Answer
1	11 + 5 = 16 11 – 5 = 6✓
2	13 – 6 = 7 Kim has 7 more sweets than Ron.
3	 17 – 9 = 8 There are 8 sheep.
4	a) multiple possible answers, e.g.: 14 – 6 = 8 b) There are six different subtractions: 14 – 6 = 8 14 – 9 = 5 16 – 4 = 12 16 – 9 = 7 19 – 4 = 15 19 – 6 = 13

Y1 – Spring – Block 1 – Step 7 – Related facts Answers

Question	Answer
1	 10 + 8 = 18 8 + 10 = 18 18 – 10 = 8 18 – 8 = 10 Each sentence can be written the other way round by swapping the expressions either side of the = sign, e.g.: 18 = 10 + 8
2	a) 11 + 7 = 18 7 + 11 = 18 18 – 11 = 7 18 – 7 = 11 b) 19 = 4 + 15 19 = 15 + 4 4 = 19 – 15 15 = 19 – 4 c) children's bar models and fact families

Y1 – Spring – Block 1 – Step 8 – Compare number sentences Answers

Question	Answer
1	a)  b)  c)  d) 9 + 3 is less than 6 + 7 11 + 2 is greater than 9 + 3 6 + 7 is equal to 11 + 2
2	a)  b) 14 – 5 is equal to 15 – 6
3	a) > b) > c) = d) > Some children may have realised, e.g.: 12 + any number will be greater than 12 – any number 17 – a smaller number will be greater than 17 – a larger number 13 + 6 is the same as 6 + 13
4	multiple possible answers, e.g.: 11 + 2 = 14 – 1 7 + 8 = 18 – 3 Children could combine their answers to produce as many number sentences as possible.