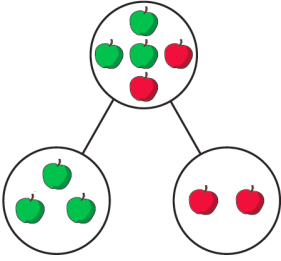
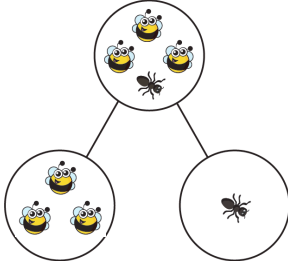
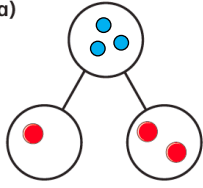
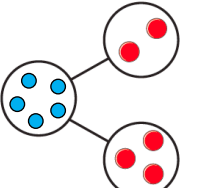
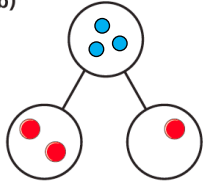
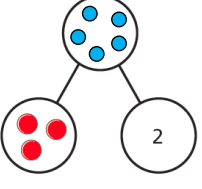
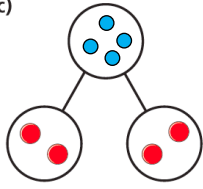
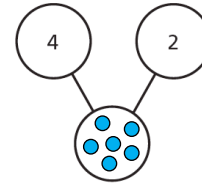
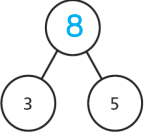
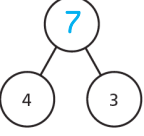
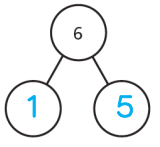
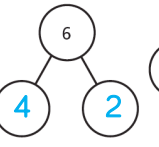
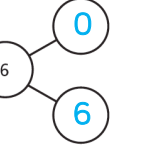


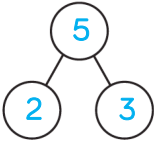
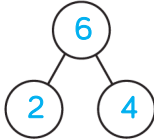
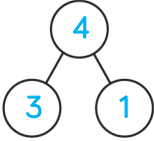
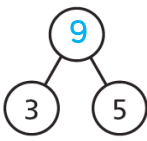
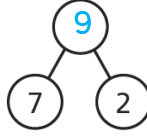
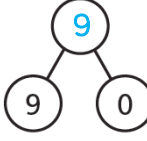
Y1 – Autumn – Block 2 – Introduce parts and wholes Answers

Question	Answer
1	a) drawing of five objects b) objects from part a) drawn in two groups
2	a) Ron, Sam, Mo and Kim divided into two groups b) Ron, Sam, Mo and Kim divided into two groups The children can either be divided into two equal groups of two, or one group of one and one group of three.

Y1 – Autumn – Block 2 – The part-whole model with objects Answers

Question	Answer
1	<p>a) There are 3 green apples and 2 red apples.</p> <p>b)</p> 
2	<p>a) There are 3 bees and 1 ant.</p> <p>b)</p> 

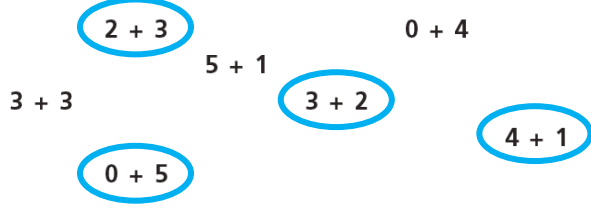
Question	Answer
1	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <p>a) </p> </div> <div style="width: 50%;"> <p>d) </p> </div> <div style="width: 50%;"> <p>b) </p> </div> <div style="width: 50%;"> <p>e) </p> </div> <div style="width: 50%;"> <p>c) </p> </div> <div style="width: 50%;"> <p>f) </p> </div> </div>
2	<p>a)  3 is a part. 5 is a part. 8 is the whole.</p> <p>b)  4 is a part. 3 is a part. 7 is the whole.</p>
3	<p>three different part-whole models, e.g.:</p> <div style="display: flex; justify-content: space-around; align-items: center;">    </div>

Question	Answer
1	<p>a)  $2 + 3 = 5$ $3 + 2 = 5$</p> <p>b)  $2 + 4 = 6$ $4 + 2 = 6$</p> <p>c)  $3 + 1 = 4$ $1 + 3 = 4$</p>
2	<p>a)  $3 + 5 = 8$</p> <p>b)  $7 + 2 = 9$</p> <p>c)  $9 + 0 = 9$</p>
3	<p>$0 + 8 = 8$ $1 + 7 = 8$ $2 + 6 = 8$ $3 + 5 = 8$ $4 + 4 = 8$</p>

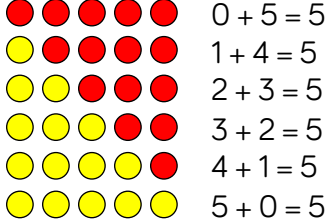
Y1 - Autumn - Block 2 - Fact families - addition Answers

Question	Answer
1	a) $4 + 2 = 6$ $2 + 4 = 6$ $6 = 4 + 2$ $6 = 2 + 4$ b) $6 + 1 = 7$ $1 + 6 = 7$ $7 = 6 + 1$ $7 = 1 + 6$ c) $6 + 4 = 10$ $4 + 6 = 10$ $10 = 6 + 4$ $10 = 4 + 6$
2	a) $2 + 1 = 3$ $1 + 2 = 3$ $3 = 2 + 1$ $3 = 1 + 2$ b) $5 + 5 = 10$ $5 + 5 = 10$ $10 = 5 + 5$ $10 = 5 + 5$
3	$6 + 3 = 9$ $3 + 6 = 9$ $9 = 6 + 3$ $9 = 3 + 6$
4	fact family of four addition sentences

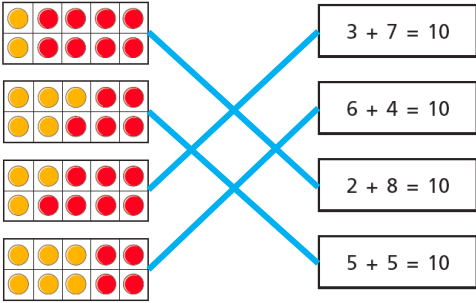
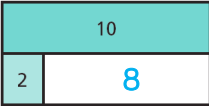
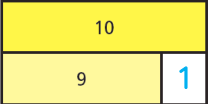
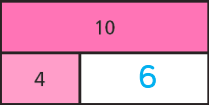
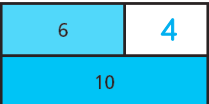
Y1 – Autumn – Block 2 – Number bonds within 10 Answers

Question	Answer																									
1	$0 + 4 = 4$ $1 + 3 = 4$ $2 + 2 = 4$																									
2	three addition sentences making 6, e.g.: $6 + 0 = 6$ $5 + 1 = 6$ $4 + 2 = 6$ $3 + 3 = 6$																									
3																										
4	<table border="1" data-bbox="214 839 739 1253"> <tbody> <tr> <td>8 + 2</td> <td>4 + 5</td> <td>7 + 2</td> <td>0 + 9</td> <td>0 + 7</td> </tr> <tr> <td>9 + 1</td> <td>2 + 7</td> <td>8 + 2</td> <td>8 + 1</td> <td>3 + 4</td> </tr> <tr> <td>7 + 1</td> <td>3 + 6</td> <td>1 + 8</td> <td>5 + 4</td> <td>5 + 3</td> </tr> <tr> <td>4 + 4</td> <td>0 + 8</td> <td>9 + 1</td> <td>6 + 3</td> <td>2 + 6</td> </tr> <tr> <td>7 + 3</td> <td>5 + 3</td> <td>2 + 6</td> <td>9 + 0</td> <td>9 + 1</td> </tr> </tbody> </table>	8 + 2	4 + 5	7 + 2	0 + 9	0 + 7	9 + 1	2 + 7	8 + 2	8 + 1	3 + 4	7 + 1	3 + 6	1 + 8	5 + 4	5 + 3	4 + 4	0 + 8	9 + 1	6 + 3	2 + 6	7 + 3	5 + 3	2 + 6	9 + 0	9 + 1
8 + 2	4 + 5	7 + 2	0 + 9	0 + 7																						
9 + 1	2 + 7	8 + 2	8 + 1	3 + 4																						
7 + 1	3 + 6	1 + 8	5 + 4	5 + 3																						
4 + 4	0 + 8	9 + 1	6 + 3	2 + 6																						
7 + 3	5 + 3	2 + 6	9 + 0	9 + 1																						
5	number bonds grid, shaded correctly by a partner																									

Y1 - Autumn - Block 2 - Systematic number bonds Answers

Question	Answer
1	$0 + 7 = 7$ $1 + 6 = 7$ $2 + 5 = 7$ $3 + 4 = 7$ $4 + 3 = 7$ $5 + 2 = 7$ $6 + 1 = 7$ $7 + 0 = 7$ Number sentences with the same numbers the other way round show the same bond, e.g. $1 + 6$ and $6 + 1$
2	 $0 + 5 = 5$ $1 + 4 = 5$ $2 + 3 = 5$ $3 + 2 = 5$ $4 + 1 = 5$ $5 + 0 = 5$
3	$0 + 6 = 6$ $1 + 5 = 6$ $2 + 4 = 6$ $3 + 3 = 6$ $4 + 2 = 6$ $5 + 1 = 6$ $6 + 0 = 6$
4	all the number bonds for the chosen number

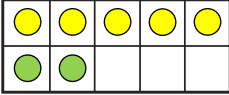
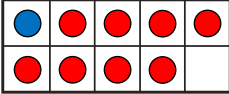
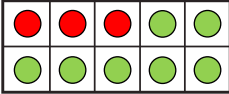
Y1 – Autumn – Block 2 – Number bonds to 10 Answers

Question	Answer
1	
2	<p>a) </p> <p>b) </p> <p>c) </p> <p>d) </p>
3	3 more children can sit down.
4	Mo has 6 sweets.
5	any two numbers that total 10

Y1 – Autumn – Block 2 – Compare number bonds Answers

Question	Answer
1	
2	<p>true true false</p>
3	<p>a) < b) = c) > d) =</p>
4	<p>10p 9p Eva spends the most money.</p>

Y1 – Autumn – Block 2 – Add together Answers

Question	Answer
1	<p>a) There are 4 white bears. There are 3 brown bears. There are 7 bears altogether.</p> <p>b) There are 5 horses. There are 4 sheep. There are 9 animals altogether.</p>
2	<p>a)  $5 + 2 = 7$</p> <p>b)  $1 + 8 = 9$</p> <p>c)  $3 + 7 = 10$</p>
3	<p>a) $2 + 6 = 8$</p> <p>b) $2 + 3 = 5$</p>

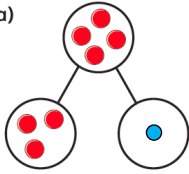
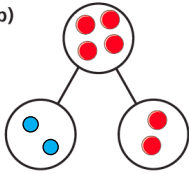
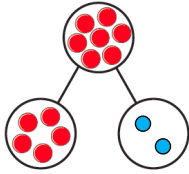
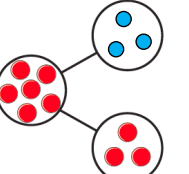
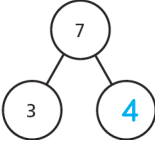
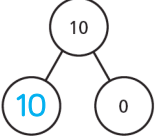


Y1 – Autumn – Block 2 – Add more Answers

Question	Answer
1	$2 + 4 = 6$ There are 6 frogs in the pond now.
2	$5 + 3 = 8$ There are 8 children on the bus now.
3	$4 + 5 = 9$ Mo has 9 pennies now.
4	a) $3 + 5 = 8$ b) similar problem with different numbers, e.g.: Kim has 5 coins. Now Kim has 7 coins. $5 + 2 = 7$

Y1 - Autumn - Block 2 - Using bonds Answers

Question	Answer						
1	<table border="1"><tr><td>$4 + 1$</td><td>$2 + 3$</td><td>$5 + 1$</td></tr><tr><td>$2 + 2$</td><td>$5 + 0$</td><td>$2 + 4$</td></tr></table>	$4 + 1$	$2 + 3$	$5 + 1$	$2 + 2$	$5 + 0$	$2 + 4$
$4 + 1$	$2 + 3$	$5 + 1$					
$2 + 2$	$5 + 0$	$2 + 4$					
2	Kim						
3	<table border="1"><tr><td>$2 + 4$</td><td>$5 + 2$</td><td>$4 + 3$</td></tr><tr><td>$0 + 7$</td><td>$3 + 3$</td><td>$3 + 4$</td></tr></table>	$2 + 4$	$5 + 2$	$4 + 3$	$0 + 7$	$3 + 3$	$3 + 4$
$2 + 4$	$5 + 2$	$4 + 3$					
$0 + 7$	$3 + 3$	$3 + 4$					
4	five number bonds to 10, e.g.: $2 + 8 = 10$ $3 + 7 = 10$ $4 + 6 = 10$ $5 + 5 = 10$ $6 + 4 = 10$						

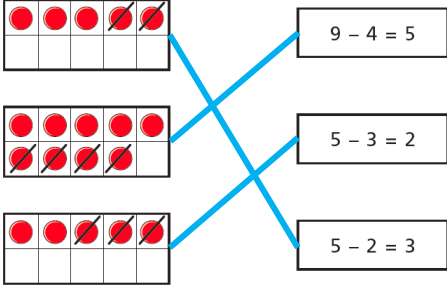
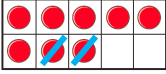
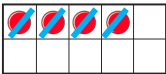
Y1 – Autumn – Block 2 – Find a part Answers

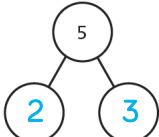
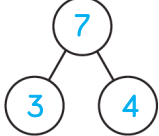
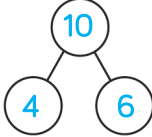
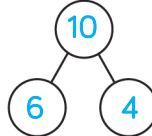
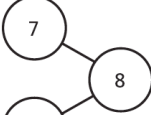

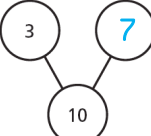
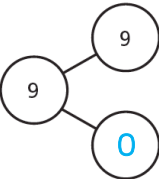
Question	Answer
1	<p>a) </p> <p>b) </p> <p>c) </p> <p>d) </p>
2	<p>a)  The whole is 7 3 is a part. 4 is a part.</p> <p>b)  The whole is 10 10 is a part. 0 is a part.</p>
3	<p></p> <p>$2 + 4 = 6$</p>
4	<p></p> <p>5 $3 + 5 = 8$</p>
5	<p>$4 + 1 = 5$ $4 + 0 = 4$ $3 + 1 = 4$ $5 = 1 + 4$</p>

Y1 - Autumn - Block 2 - How many left? (1) Answers

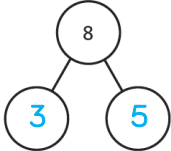
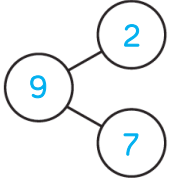
Question	Answer
1	First there were 9 birds in the tree. Then 4 of the birds flew away. Now there are 5 birds left in the tree.
2	First there were 7 cookies. Then 6 cookies were eaten. Now there is 1 cookie.
3	picture matching the story
4	stories to match the pictures

Y1 - Autumn - Block 2 - How many left? (2) Answers

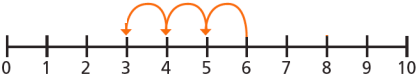

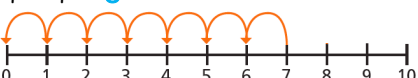
Question	Answer
1	 <p>Three ten-frames are shown. The first has 5 red dots (3 in the top row, 2 in the bottom row) and 4 blue diagonal lines crossing out the top-right two dots. A blue line connects it to the equation $9 - 4 = 5$. The second has 5 red dots (3 in the top row, 2 in the bottom row) and 3 blue diagonal lines crossing out the bottom-left three dots. A blue line connects it to the equation $5 - 3 = 2$. The third has 5 red dots (3 in the top row, 2 in the bottom row) and 2 blue diagonal lines crossing out the bottom-right two dots. A blue line connects it to the equation $5 - 2 = 3$.</p>
2	<p>a) </p> <p>b) </p>
3	$10 - 4 = 6$
4	6
5	<p>a) 1 b) 3 c) 2 d) 5</p>

Question	Answer
1	<p>a)  $5 - 2 = 3$</p> <p>b)  $7 - 3 = 4$</p>
2	<p> $10 - 4 = 6$</p> <p>the number of red shapes</p> <p> $10 - 6 = 4$</p>
3	<p>a)  $8 - 7 = 1$</p> <p></p> <p>b)  $10 - 3 = 7$</p> <p>c)  $9 - 9 = 0$</p>

Y1 – Autumn – Block 2 – Fact families – 8 facts Answers

Question	Answer
1	 $3 + 5 = 8$ $5 + 3 = 8$ $8 - 3 = 5$ $8 - 5 = 3$ Swap the lefthand and righthand sides: $8 = 3 + 5$ $8 = 5 + 3$ $5 = 8 - 3$ $8 = 8 - 5$
2	 $2 + 7 = 9$ $7 + 2 = 9$ $9 - 2 = 7$ $9 - 7 = 2$ ✓ Swap the lefthand and righthand sides: $9 = 2 + 7$ $9 = 7 + 2$ $9 - 2 = 7$ $9 - 7 = 2$
3	$2 + 3 = 5$ $3 + 2 = 5$ $5 - 2 = 3$ $5 - 3 = 2$ $5 = 2 + 3$ $5 = 3 + 2$ $3 = 5 - 2$ $2 = 5 - 3$

Y1 – Autumn – Block 2 – Count back Answers

Question	Answer
1	a) $5 - 4 = 1$ b) $6 - 4 = 2$ We start at the first number in the subtraction. The number of jumps is the same because the number being subtracted is the same.
2	$8 - 7 = 1$
3	a) $6 - 3 = 3$  b) $10 - 8 = 2$  c) $7 - 7 = 0$ 
4	$9 - 5 = 4$ child's question and correction solution

Y1 – Autumn – Block 2 – Find the difference Answers

Question	Answer
1	Kim has 2 more strawberries than Mo.
2	Ben has 4 fewer cakes than Jo.
3	The difference between the number of pencils is 3
4	The bar model shows that Sam has 7 of an item and Ron has 2 of an item. We can work out the difference between the number of items that Sam and Ron have.

Y1 – Autumn – Block 2 – Compare statements (1) Answers

Question	Answer
1	Kim has more pennies.
2	multiple possible answers, e.g.: a) $5 + 2$ is greater than 6 $5 + 2$ is greater than 5 b) $5 - 2$ is greater than 2 $5 - 2$ is greater than 1 c) 6 is greater than $1 + 2$ 6 is greater than $5 + 0$ d) 6 is greater than $7 - 2$ 6 is greater than $3 - 1$
3	$1 + 0 = 1$ $1 - 0 = 1$ $10 - 0 > 1$ $4 + 3 > 6$ $8 < 10 - 1$ $6 - 5 = 1$ $4 < 2 + 3$

Y1 - Autumn - Block 2 - Compare statements (2) Answers

Question	Answer
1	$5 + 1 > 4 + 1$ $4 + 1 = 2 + 3$ $6 + 0 < 4 + 3$
2	$4 - 2 < 4 - 1$ $10 - 3 > 10 - 5$ $8 - 4 < 8 - 3$
3	a) < b) = c) < d) > e) < f) =
4	5 is greater than 3, so $6 - 5$ is less than $6 - 3$