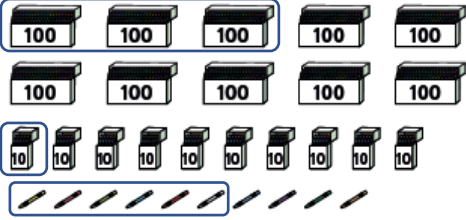


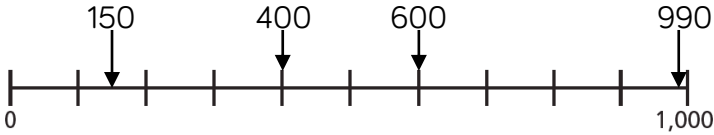
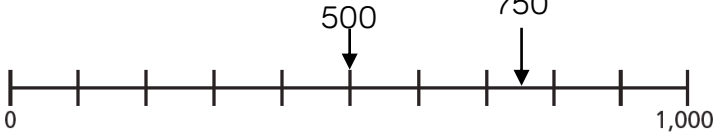


Y3 – Autumn – Block 1 – Numbers to 1,000 Answers

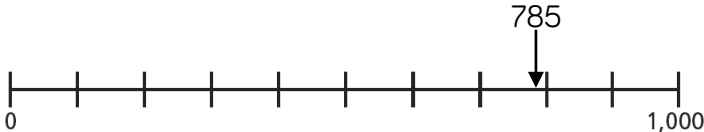

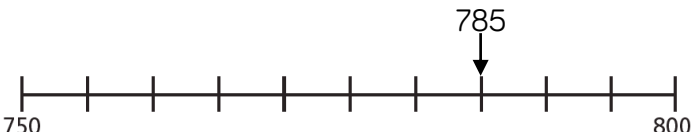

Question	Answer
1	There are <b>431</b> balloons.
2	a) There are <b>270</b> sweets. b) There are <b>270</b> sweets. c) There are the same number of sweets but they are laid out in a different order.
3	three 100 boxes, one 10 box and six pencils This can be done in multiple ways, e.g.: 
4	a) 452 b) 716
5	a) 4 hundreds, 2 tens and 6 ones b) 9 hundreds, 2 tens and 2 ones c) 3 hundreds and 7 ones
6	Alex has made <b>529</b>
7	1 hundred, 3 tens and 1 one
8	275
9	true Eva has used 10 tens instead of one of the hundreds. $200 + 20 + 2 = 100 + 120 + 2$

Y3 – Autumn – Block 1 – 100s, 10s and 1s (1) Answers

Question	Answer
1	a) 345 b) 518 c) 203
2	a) 4 hundreds, 2 tens and 6 ones b) 1 hundred and 5 tens c) 5 hundreds, 3 tens and 2 ones
3	a) 469 b) 337 c) 950 d) 803
4	a) 348 is equal to 3 hundreds, 4 tens and 8 ones. b) 673 is equal to 6 hundreds, 7 tens and 3 ones. c) 792 is equal to 7 hundreds, 9 tens and 2 ones. d) 308 is equal to 3 hundreds and 8 ones. e) 751 is equal to 7 hundreds, 5 tens and 1 one. f) 802 is equal to 8 hundreds and 2 ones.
5	a) $432 = 400 + 30 + 2$ $435 = 400 + 30 + 5$ $437 = 400 + 30 + 7$ b) $520 = 500 + 20$ $502 = 500 + 2$ c) $392 = 300 + 90 + 2$ $392 = 92 + 300$ $392 = 2 + 390$
6	a) 30 (3 tens) b) 300 (3 hundreds) c) 3 (3 ones) d) 300 (3 hundreds)
7	a) 194 or 491 b) 304, 340, 403, 430
8	462, 604

Y3 – Autumn – Block 1 – Number line to 1,000 Answers

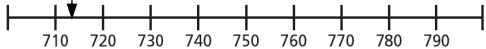
Question	Answer
1	300, 400, 600, 700, 900
2	a) 200, 900 b) 250, 600 c) 100, 700
3	 <p>A number line from 0 to 1,000 with major tick marks every 100 units. Arrows point to the following values: 150, 400, 600, and 990.</p>
4	 <p>A number line from 0 to 1,000 with major tick marks every 100 units. Arrows point to the following values: 500 and 750.</p>
5	a) 210, 220, 240, 250, 260, 270, 290 b) 210, 211, 212, 213, 214, 216, 218, 219 c) 400, 600, 800
6	a)  <p>A number line from 400 to 500 with major tick marks every 100 units. An arrow points to the value 470.</p> b)  <p>A number line from 200 to 400 with major tick marks every 100 units. An arrow points to the value 280.</p>
7	Alex is incorrect. The number line is going up in 50s. If the number line was going up in 100s, the last number would be 2,000

Question	Answer
8	<p>a)</p>  <p>b)</p>  <p>c)</p> 
9	 <p>Children may decide to divide the number line up into different intervals to help them place the numbers.</p>

Y4 – Autumn – Block 1 – Round to the nearest 10 Answers

Question	Answer
1	a) 20 and 30 b) 27 circled 30 27 rounded to the nearest 10 is <b>30</b> c) 23 circled 20 23 rounded to the nearest 10 is <b>20</b>
2	a) 41, 42, 43, 44 b) 45, 46, 47, 48, 49
3	a) 40 b) 20 c) 30 d) 80 e) 10 f) 0 g) 30 h) 70 i) 100
4	a) 121 is closer to <b>120</b> than <b>130</b> 124 is closer to <b>120</b> than <b>130</b> 127 is closer to <b>130</b> than <b>120</b> 125 is the same distance from <b>120</b> as it is from <b>130</b> b) 120, 120, 130, 130
5	a) 210 b) 710 c) 410 d) 30 e) 310 f) 120
6	379, 381, 375
7	196, 195
8	The digit in the ones will determine whether the number is rounded up or down but you cannot ignore the other digits as these may all change, e.g. 298 rounded to the nearest 10 would be 300 so all of the columns have changed.
9	any number from 445 to 454
10	65 and 71, 66 and 70, 67 and 69

Y4 - Autumn - Block 1 - Round to the nearest 100 Answers

Question	Answer																		
1	a) 200, 300 b) 270 circled 300 270 rounded to the nearest 100 is <b>300</b> c) 230 circled 200 230 rounded to the nearest 100 is <b>200</b>																		
2	a) 700, 800 b) <div style="text-align: center;">                         713   </div> c) 700 713 rounded to the nearest 100 is <b>700</b> c) 700, 700, 700 800, 800, 800																		
3	a) 400                      d) 200                      g) 300 b) 800                      e) 100                      h) 0 c) 300                      f) 700                      i) 100																		
4	a) 200 b) 700 c) 400 d) 0 e) 300 f) 100																		
5	279, 271, 341, 250																		
6	150, 207, 196, 249, 190																		
7	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tbody> <tr> <td style="background-color: #f4b084;">Number</td> <td>624</td> <td>371</td> <td>289</td> <td>750</td> <td>38</td> </tr> <tr> <td style="background-color: #f4b084;">Rounded to the nearest 10</td> <td>620</td> <td>370</td> <td>290</td> <td>750</td> <td>40</td> </tr> <tr> <td style="background-color: #f4b084;">Rounded to the nearest 100</td> <td>600</td> <td>400</td> <td>300</td> <td>800</td> <td>0</td> </tr> </tbody> </table>	Number	624	371	289	750	38	Rounded to the nearest 10	620	370	290	750	40	Rounded to the nearest 100	600	400	300	800	0
Number	624	371	289	750	38														
Rounded to the nearest 10	620	370	290	750	40														
Rounded to the nearest 100	600	400	300	800	0														
8	350 449																		
9	Annie could have been thinking of any number from 295 to 304																		

## Y4 – Autumn – Block 1 – Count in 1,000s Answers

Question	Answer
1	There are <b>5,000</b> sweets. There are <b>five thousand</b> sweets.
2	There are <b>7,000</b> pennies. There are <b>seven thousand</b> pennies.
3	a) 3,000 b) 8,000
4	9 thousand blocks circled This can be done in multiple ways.
5	4,000 5,000 7,000 8,000 8,000 6,000 4,000
6	5,000 6,000 1,000 10,000 15,000
7	2 thousands or 2,000 10 hundreds are equal to 1 thousand so 20 hundreds are equal to 2 thousands or 2,000
8	10 hundred blocks circled This can be done in multiple ways.
9	Rosie is correct. 1,000 is divisible by 2 without leaving a remainder so any 1,000 is an even number.
10	a) 9,000 b) 13,000

Y4 – Autumn – Block 1 – 1,000s, 100s, 10s and 1s Answers

Question	Answer
1	There are <b>3,526</b> nails.
2	a) 1,652 b) 5,016
3	No. Mo has put 5 ones instead of 5 tens. His number is 3,205
4	Children use or draw base 10 or place value counters in a grid to show the numbers.
5	2,365 two thousand, three hundred and sixty-five
6	a) 2 thousands, 5 tens and 3 ones circled This can be done in multiple ways. b) 5 thousands, 1 hundred, 2 tens and 4 ones circled This can be done in multiple ways.
7	a) 7,000 (7 thousands) b) 900 (9 hundreds) c) 4 (4 ones) d) 70 (7 tens) e) 10 (1 ten)
8	any 4-digit number with 7 in the tens column, e.g. 3,271 any 3-digit number with 7 in the tens column, e.g. 970 any 2-digit number with 7 in the tens column, e.g. 79
9	nine possible answers: 5,610 4,620 3,621    3,630 2,640    2,631 1,650    1,641    1,632



## Y4 - Autumn - Block 1 - Partitioning Answers

Question	Answer
1	a) $2,156 = 2,000 + 100 + 50 + 6$ b) $5,308 = 5,000 + 300 + 8$ c) $6,120 = 6,000 + 100 + 20$
2	$3,472 = 3,000 + 400 + 70 + 2$ $3,472 = 2,000 + 1,400 + 70 + 2$ $3,472 = 1,000 + 2,400 + 70 + 2$
3	a) 2,000, 600, 50 in any order b) 7,000, 30, 9 in any order
4	a) 2,348 is equal to 2 thousands, 3 hundreds, 4 tens and 8 ones. b) 5,072 is equal to 5 thousands, 0 hundreds, 7 tens and 2 ones. c) 2,760 is equal to 2 thousands, 7 hundreds and 6 tens. d) 8,002 is equal to 8 thousands and 2 ones. e) 54 ones is equal to 5 tens and 4 ones. f) 28 tens is equal to 2 hundreds and 8 tens.
5	a) $2,909 = 2,000 + 900 + 9$ $2,909 = 2,900 + 9$ $2,909 = 1,000 + 900 + 1,009$ b) $7,156 = 7,000 + 100 + 56$ $7,156 = 56 + 7,100$ $7,156 = 6 + 7,150$
6	1 thousand is made up of 10 hundreds so 20 hundreds make 2 thousands.
7	7,219    7,912
8	a) Card D b) any statement that is equal to 4,600, e.g. $2,000 + 2,600$


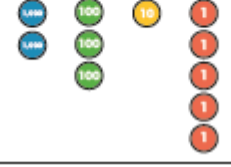

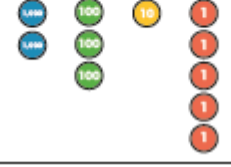

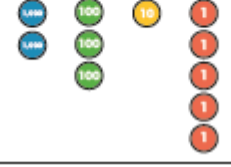
Y4 - Autumn - Block 1 - The number line to 10,000 Answers

Question	Answer
1	3,000 6,000 9,000 4,000 8,000
2	a) 2,000, 9,000 b) 2,500, 9,500
3	<p>A number line from 0 to 10,000. Major ticks are labeled at 0, 1,000, 2,000, 3,000, 4,000, 5,000, 6,000, 7,000, 8,000, 9,000, and 10,000. Four points are marked with arrows pointing to the line: 150, 3,000, 5,000, and 7,000.</p>
4	a) 1,600 b) 7,130
5	2,600 2,800
6	1,000 2,500 4,500
7	a) A = 2,000 B = 7,500 C = 9,900 b) any three numbers between 2,000 and 7,500
8	If it went up in 1,000s there would be 10 intervals between 0 and 10,000 There are 20 intervals on the number line so it goes up in 500s.
9	a) multiple possible answers that are an equal distance from 2,400, e.g. 2,300 and 2,500, 2,390 and 2,410, 1,400 and 3,400 b) multiple possible answers with 2,400 is approximately $\frac{3}{4}$ of the way between, e.g. 2,100 and 2,500, 2,370 and 2,410



Y3 – Autumn – Block 1 – Find 1, 10, 100 more or less Answers

Question	Answer																												
1	a) Annie has made the number <b>315</b> b) 100 more than Annie's number is <b>415</b> c) 10 more than Annie's number is <b>325</b> d) 1 more than Annie's number is <b>316</b>																												
2	The number represented is <b>492</b> a) 592 502 493 b) 392 482 491																												
3	a) 800 b) 485 c) 690 d) 147																												
4	a) 372 b) 190 c) 713 d) 705																												
5	a) 779 b) 235 c) 290 d) 394																												
6	a) 100 more than 763 is <b>863</b> b) <b>865</b> is 100 more than 765 c) <b>403</b> is 100 less than 503 d) 1 less than 300 is <b>299</b> e) 10 less than 109 is <b>99</b> f) <b>962</b> is 10 less than 972 g) <b>698</b> is 1 less than 699																												
7	502, 412 or 403																												
8	<table border="1"> <thead> <tr> <th>100 more</th> <th>10 more</th> <th>1 more</th> <th>number</th> <th>1 less</th> <th>10 less</th> <th>100 less</th> </tr> </thead> <tbody> <tr> <td><b>573</b></td> <td><b>483</b></td> <td><b>474</b></td> <td>473</td> <td><b>472</b></td> <td><b>463</b></td> <td><b>373</b></td> </tr> <tr> <td>398</td> <td><b>308</b></td> <td><b>299</b></td> <td>298</td> <td><b>297</b></td> <td><b>288</b></td> <td><b>198</b></td> </tr> <tr> <td><b>1,000</b></td> <td><b>910</b></td> <td><b>901</b></td> <td>900</td> <td><b>899</b></td> <td><b>890</b></td> <td><b>800</b></td> </tr> </tbody> </table>	100 more	10 more	1 more	number	1 less	10 less	100 less	<b>573</b>	<b>483</b>	<b>474</b>	473	<b>472</b>	<b>463</b>	<b>373</b>	398	<b>308</b>	<b>299</b>	298	<b>297</b>	<b>288</b>	<b>198</b>	<b>1,000</b>	<b>910</b>	<b>901</b>	900	<b>899</b>	<b>890</b>	<b>800</b>
100 more	10 more	1 more	number	1 less	10 less	100 less																							
<b>573</b>	<b>483</b>	<b>474</b>	473	<b>472</b>	<b>463</b>	<b>373</b>																							
398	<b>308</b>	<b>299</b>	298	<b>297</b>	<b>288</b>	<b>198</b>																							
<b>1,000</b>	<b>910</b>	<b>901</b>	900	<b>899</b>	<b>890</b>	<b>800</b>																							
9	990																												

Y4 – Autumn – Block 1 – 1,000 more or less Answers

Question	Answer									
1	<table border="1"> <thead> <tr> <th>1,000 less</th> <th>number</th> <th>1,000 more</th> </tr> </thead> <tbody> <tr> <td>2,400</td> <td>  </td> <td>4,400</td> </tr> <tr> <td>1,315</td> <td>  </td> <td>3,315</td> </tr> </tbody> </table>	1,000 less	number	1,000 more	2,400		4,400	1,315		3,315
1,000 less	number	1,000 more								
2,400		4,400								
1,315		3,315								
2	<p>a) 6,000 8,000            b) 2,918 4,918            c) 203 2,203</p>									
3	<p>a) 1,000 more than 4,192 is <b>5,192</b>            b) 100 more than 4,192 is <b>4,292</b>            100 less than 4,192 is <b>4,092</b>            c) 10 less than 4,192 is <b>4,182</b>            10 more than 4,192 is <b>4,202</b>            d) 1 less than 4,192 is <b>4,191</b>            1 more than <b>4,193</b></p>									
4	<p>a) 1,900            b) 1,990            c) 1,999</p>									
5	<p>a) 1,000 more than 7,163 is <b>8,163</b>            b) <b>2,460</b> is 100 more than 2,360            c) <b>1,800</b> is 100 less than 1,900            d) 1 less than 1,500 is <b>1,499</b>            e) 10 less than 109 is <b>99</b>            f) <b>1,972</b> is 1,000 more than 972            g) <b>5,980</b> is 10 less than 5,990</p>									
6	<p>1,790 1,800 1,810 1,820            2,365 4,365 5,365 6,365</p>									
7	<p>Sometimes true, e.g. 100 more than 2,360 is 2,460 but 100 more than 2,960 is 3,060</p>									
8	<p>a) 5,290      f) 6,205            b) 1,395      g) 2,970            c) 7,080      h) 802            d) 7,100      i) 4,900            e) 3,962      j) 1,103</p>									
9	<p>a) 6,741            b) 6,852</p>									

Y4 – Autumn – Block 1 – Compare 4-digit numbers Answers

Question	Answer
1	<p>Eva has the smaller amount of drink. She only has 4 thousands but Tommy has 6 thousands.</p>
2	
3	
4	7,000, 4,526
5	<p>a) &lt; b) &lt; c) &gt;</p>
6	<p>a) is greater than b) is greater than c) is less than d) is less than</p>
7	<p>Car B Both prices have 4 thousands and 7 hundreds but Car B has 9 tens compared to Car A which has 8 tens, so Car B is more expensive.</p>
8	<p>a) &gt; b) &lt; c) &lt; d) &lt; e) &lt;</p>
9	Teddy is incorrect. Scott's number could also start with a 7 or it could be 4,751 or 4,715
10	<p>a) 0 or 1 b) 7, 8 or 9 c) 0, 1, 2 or 3 d) any digit</p>
11	<p>a) 8, 9 b) 1, 2, 3, 4, 5 It could possibly be 0 but discuss with children that this is not how we conventionally write numbers.</p>

## Y4 – Autumn – Block 1 – Order numbers Answers

Question	Answer
1	a) Tom His number has 4 thousands but Whitney's and Dani's numbers only have 3 thousands. b) 3,052 3,200 4,050
2	2,600 2,595 2,540
3	7,500 It has the most thousands so it must be the greatest number.
4	any number less than 6,130 using all 10 counters, e.g. 6,121 any number greater than 6,130 using all 10 counters, e.g. 7,030
5	a) 625 b) 2,089 c) 6,175
6	a) Barcelona b) New York c) Rome
7	a) 1,750 1,780 2,304 2,600 b) 728 1,322 8,079 8,200
8	Jack has just looked at the size of the first digit. He has not realised that there are 2 thousands in 2,340 and 0 thousands in 982 so 2,340 must be greater.
9	a) 3,_25 any digit from 0, 1, 2, 3, 4, 5, 6 or 7 3,76_ any digit from 0 to 9 3,_58 either 8 or 9 b) three possible answers: 7, 8 or 9

Y4 – Autumn – Block 1 – Round to the nearest 1,000 Answers

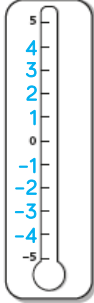
Question	Answer																
1	a) 2,700 rounded to the nearest 1,000 is <b>3,000</b> b) 5,320 rounded to the nearest 1,000 is <b>5,000</b> c) 7,450 rounded to the nearest 1,000 is <b>7,000</b>																
2	3,850    4,230																
3	7,800 is 200 away from 8,000 but 800 away from 7,000, so it is closer to 8,000																
4	a) 2,000 b) 1,600 c) 1,580																
5	8,600    8,590    9,105																
6	9,130    9,059    9,107																
7	a) 4,000    h) 2,000 b) 1,000    i) 5,000 c) 2,000    j) 6,000 d) 2,000    k) 5,000 e) 2,000    l) 4,000 f) 3,000    m) 3,000 g) 3,000    n) 2,000																
8	<table border="1"> <thead> <tr> <th>Number</th> <th>Rounded to nearest 10</th> <th>Rounded to nearest 100</th> <th>Rounded to nearest 1,000</th> </tr> </thead> <tbody> <tr> <td>755</td> <td>760</td> <td>800</td> <td>1,000</td> </tr> <tr> <td>2,904</td> <td>2,900</td> <td>2,900</td> <td>3,000</td> </tr> <tr> <td>5,997</td> <td>6,000</td> <td>6,000</td> <td>6,000</td> </tr> </tbody> </table>	Number	Rounded to nearest 10	Rounded to nearest 100	Rounded to nearest 1,000	755	760	800	1,000	2,904	2,900	2,900	3,000	5,997	6,000	6,000	6,000
Number	Rounded to nearest 10	Rounded to nearest 100	Rounded to nearest 1,000														
755	760	800	1,000														
2,904	2,900	2,900	3,000														
5,997	6,000	6,000	6,000														
9	a) 5, 6, 7, 8, 9 b) 0, 1, 2, 3, 4, 5, 6, 7, 8, 9 c) 8																
10	There are multiple possibilities. Rosie's number is between 2,500 and 3,499 Amir's number is between 3,350 and 3,449 For Rosie to have a number 100 more than Amir's, Amir must have a number between 3,350 and 3,399 and Rosie's will be 100 more, e.g. Amir 3,370 and Rosie 3,470																

## Y4 – Autumn – Block 1 – Counting in 25s Answers

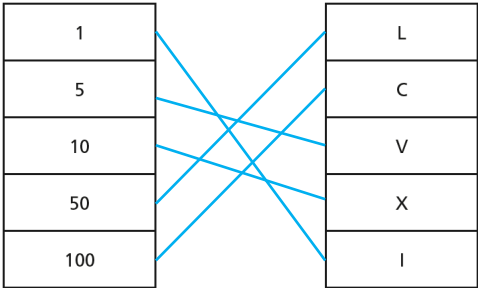
Question	Answer
1	a) Filip 50 Eva 75 Mo 100 Esther 125 b) 150
2	275, 300, 325, 350, 375 675, 650, 625, 600, 575
3	a) 100, 175, 725 b) All of the numbers end in 25, 75 or a hundred (00), which means they will all be multiples of 25
4	a) 825 875 b) 4,150 4,275
5	false The left side of the scales has a total of 125 g and the right side of the scales has a total of 150 g. They are not equal and therefore will not balance.
6	a) 725 b) 750 c) 1 sheet has 25, so if 28 sheets has 700 then 29 sheets will have 25 more, which is 725 30 sheets will have 25 more than 29 sheets, which is 750
7	a) 425 Five 50s is 250 Seven 25s is 175 $250 + 175 = 425$ b) 175 Multiple possible answers, e.g. 50, 50, 50, 25 or 25, 25, 25, 25, 25, 25, 25



Y4 – Autumn – Block 1 – Negative numbers Answers

Question	Answer
1	a) -2 b) -1, 0, 1 c) -4, -3, -2, -1, 0, 1 d) -9, -8, -7, -6, -5, -4, -3, -2
2	<div style="display: flex; align-items: center; justify-content: space-between;">  <div style="margin-left: 20px;">                         a) 4°C                          b) 5°C                          c) 1°C                          d) 0°C                          e) 4°C                          f) 1°C                     </div> </div>
3	a) 4, 3, 2, 1, 0 b) 4, 2, 0, -2, -4 c) -4, -1, 2, 5, 8
4	Rosie has labelled in the wrong order. It should start at -8 on the left and end at -1 on the right.
5	a) 5, 0, -5 b) -4, -2, 0 c) -1, 1, 3 d) -2, -5, -8 e) 0, -25, -50
6	a) 13°C b) -3°C
7	Teddy has missed 0 He should have said, “Three, two, one, zero, negative one, negative two ...”
8	no Whitney should not have said -7 and -17 She should have said -3 and -13 instead.

Y4 – Autumn – Block 1 – Roman numerals Answers

Question	Answer
1	
2	<p>a) VII                      d) LV                      g) XVII  b) XII                      e) LXXII                  h) XLI  c) XXIII                  f) LXXXIX                i) XXVII</p>
3	Eva lives at number <b>24</b>
4	7 Alex could have rolled 1 and 6 (I and VI) or 3 and 4 (III and IV) in any order.
5	<p>a) 24                      twenty-four  b) 71                      seventy-one  c) 68                      sixty-eight  d) 96                      ninety-six  e) 28                      twenty-eight  f) 91                      ninety-one</p>
6	<p>a) XXVI  b) 13                      thirteen  c) 70                      LXX  d) forty-eight              XLVIII</p>
7	<p>a) LXII  b) LXXI  c) XXVII  d) LXXIV  e) LVIII  f) IV  g) LXXXVII</p>
8	Multiple possible answers, e.g. XXIX + XLI = LXI + IX