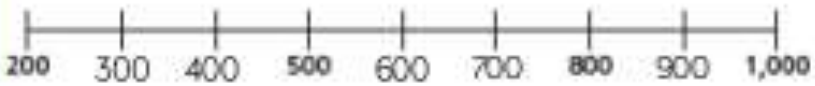
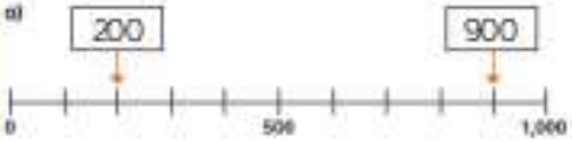
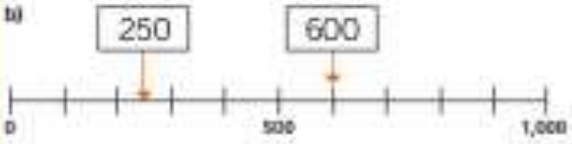
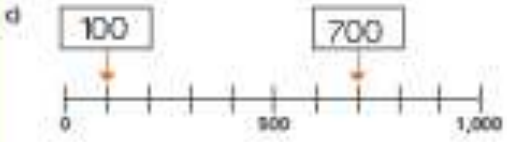
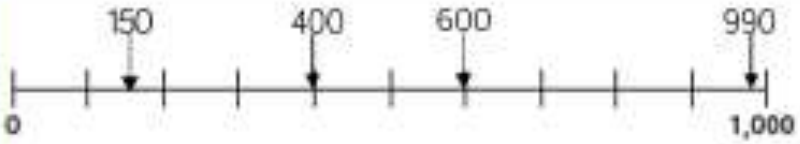
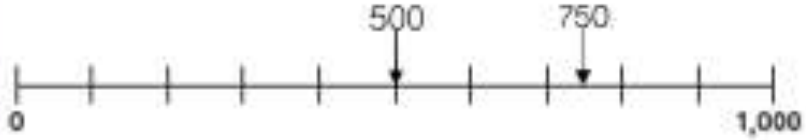
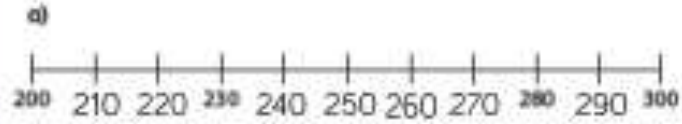
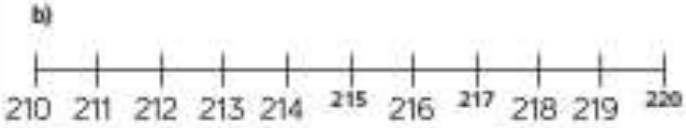
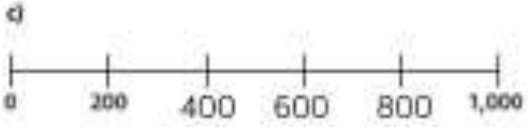
Y4 – Autumn – Block 1 – Step 5 – 1,000s, 100s, 10s and 1s Answers

Question	Answer
1	There are 3,526 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

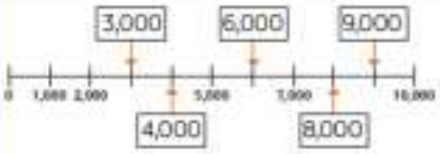
Y4 – Autumn – Block 1 – Step 6 – Partitioning Answers

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) 3 hundreds, 4 tens, 8 ones b) 5 thousands, 0 hundreds, 7 tens, 2 ones c) 2,760 d) 8,002 e) 5 tens, 4 ones f) 2 hundreds, 8 tens
5	a) 9 9 1,009 b) 56 7,100 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

Y3 – Autumn – Block 1 – Step 5 – Number line to 1,000 Answers

Question	Answer
1	
2	a)  b)  c) 
3	
4	
5	a)  b)  c) 

Y4 – Autumn – Block 1 – Step 7 – The number line to 10,000 Answers

Question	Answer
1	
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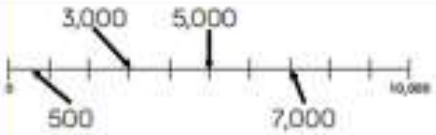
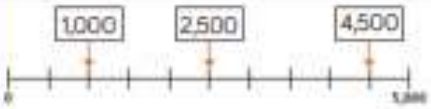
3	
4	a) 1,600 b) 7,130
5	2,600 2,800
6	
7	a) A = 2,000 B = 7,500 C = 9,990 b) Any three numbers between 2,000 and 7,500
8	If it went up in 1,000s there would be 10 intervals between 0 and 10,000 There are 20 intervals on the number line so it goes up in 500s.
9	a) Various possible answers as long as they 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) Various possible answers as long as 2,400 is approximately $\frac{3}{4}$ of the way between e.g. 2,100 and 2,500, 2370 and 2,410

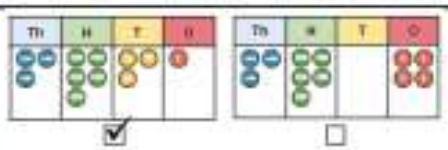
Y3 – Autumn – Block 1 – Step 6 – Find 1 10 100 more or less Answers

Question	Answer
1	a) Annie has made the number 315 b) 100 more than Annie's number is 415 c) 10 more than Annie's number is 325 d) 1 more than Annie's number is 316
2	The number represented is 492 a) 100 more than the number is 592 10 more than the number is 502 1 more than the number is 493 b) 100 less than the number is 392 10 less than the number is 482 1 less than the number is 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 863 b) 865 is 100 more than 765 c) 403 is 100 less than 503 d) 1 less than 300 is 299 e) 10 less than 109 is 99 f) 962 is 10 less than 972 g) 698 is 1 less than 699
7	Tom's number could have been 502, 412 or 403
8	<table><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><tr><td>573</td><td>483</td><td>474</td><td>473</td><td>472</td><td>463</td><td>373</td></tr><tr><td>308</td><td>308</td><td>299</td><td>298</td><td>297</td><td>288</td><td>198</td></tr><tr><td>1,000</td><td>910</td><td>901</td><td>900</td><td>899</td><td>890</td><td>800</td></tr></table>
9	990 is 10 less than Kim's number.

Y4 – Autumn – Block 1 – Step 8 – 1,000 more or less Answers

Question	Answer
1	
2	a) 6,000 8,000 b) 2,918 4,918 c) 203 2,203
3	a) 1,000 more than 4,192 is **5,192** b) 100 more than 4,192 is **4,292** 100 less than 4,192 is **4,092** c) 10 less than 4,192 is **4,182** 10 more than 4,192 is **4,202** d) 1 less than 4,192 is **4,191** 1 more than **4,193**
4	a) 1,900 b) 1,990 c) 1,999
5	a) 1,000 more than 7,163 is **8,163** b) **2,460** is 100 more than 2,360 c) **1,800** is 100 less than 1,900 d) 1 less than 1,500 is **1,499** e) 10 less than 109 is **99** f) **1,972** is 1,000 more than 972 g) **5,980** is 10 less than 5,990
6	1,790 1,800 1,810 1,820 2,365 4,365 5,365 6,365
7	Sometimes true, e.g. 100 more than 2,360 is 2,460 but 100 more than 2,960 is 3,060
8	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
9	a) 6,741 b) 6,842

Y4 – Autumn – Block 1 – Step 9 – Compare 4-digit numbers Answers

Question	Answer
1	Eva has the smaller amount of drink. She only has 4 thousands but Tommy has 6 thousands.
2	
3	
4	7,000, 4,526
5	a) < b) < c) >
6	a) is greater than b) is greater than c) is less than d) is less than
7	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.
8	a) >>> b) < c) < d) < e) <<
9	Teddy is incorrect. Scott's number could also start with a 7 or it could be 4,751 or 4,715
10	a) 0 or 1 b) 7, 8 or 9 c) 0, 1, 2 or 3 d) any digit
11	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.

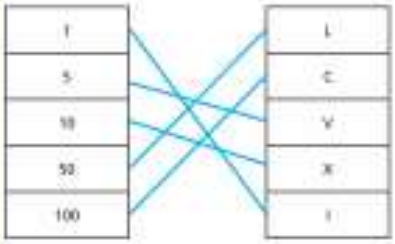
Y4 – Autumn – Block 1 – Step 10 – Order numbers Answers

Question	Answer
1	a) Tom because 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 because 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 and 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 7 376_ Any digit from 0 to 9 3_58 Either 8 or 9 b) Missing digit could be a 7, 8 or 9 so there are three possibilities.

Y4 – Autumn – Block 1 – Step 12 – 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 – Step 1 – Roman numerals Answers

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