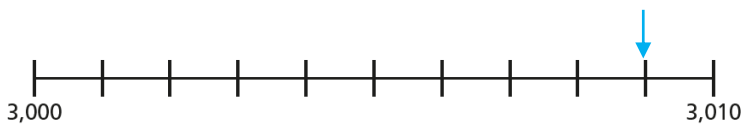
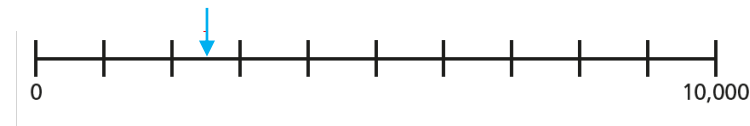
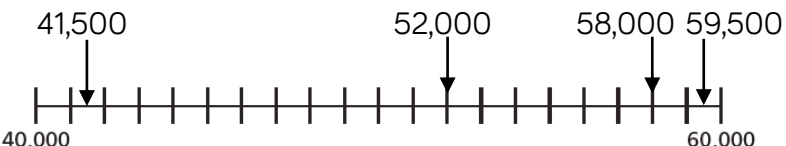
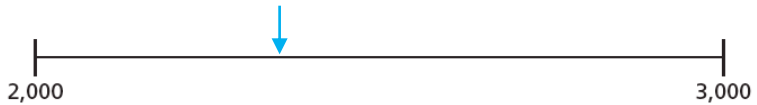


Question	Answer																																			
1	a) 2,041 b) 1,204 c) 4,012 d) 2,401																																			
2	a) 4 hundreds, 1 ten and 2 ones circled This can be done in multiple ways. b) 5 counters in the thousands column, 3 in the hundreds column, 2 in the tens column and 1 in the ones column																																			
3	a) 2,866 2,875 2,965 3,865 b) 1,255 1,246 1,156 256																																			
4	<table border="1"> <thead> <tr> <th></th> <th>1 more</th> <th>10 more</th> <th>100 more</th> <th>1,000 more</th> </tr> </thead> <tbody> <tr> <td>3,000</td> <td>3,001</td> <td>3,010</td> <td>3,100</td> <td>4,000</td> </tr> <tr> <td>7,213</td> <td>7,214</td> <td>7,223</td> <td>7,313</td> <td>8,213</td> </tr> <tr> <td>4,510</td> <td>4,511</td> <td>4,520</td> <td>4,610</td> <td>5,510</td> </tr> <tr> <td>1,281</td> <td>1,282</td> <td>1,291</td> <td>1,381</td> <td>2,281</td> </tr> <tr> <td>1,899</td> <td>1,900</td> <td>1,909</td> <td>1,999</td> <td>2,899</td> </tr> <tr> <td>5,959</td> <td>5,960</td> <td>5,969</td> <td>6,059</td> <td>6,959</td> </tr> </tbody> </table>		1 more	10 more	100 more	1,000 more	3,000	3,001	3,010	3,100	4,000	7,213	7,214	7,223	7,313	8,213	4,510	4,511	4,520	4,610	5,510	1,281	1,282	1,291	1,381	2,281	1,899	1,900	1,909	1,999	2,899	5,959	5,960	5,969	6,059	6,959
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5,959	5,960	5,969	6,059	6,959																																
5	a)  b) 																																			
6	a) 600, 7 b) 4,000																																			
7	a) 70 (7 tens) b) 7 (7 ones) c) 7,000 (7 thousands) d) 700 (7 hundreds)																																			
8	a) multiple possible answers, e.g. 5,732 3,590 1,367 b) open-ended question depending on the number chosen																																			

Question	Answer																				
1	a) 61,342 sixty-one thousand, three hundred and forty-two b) 61,362																				
2	a) 18,591 eighteen thousand, five hundred and ninety-one b) 20,601																				
3	a) <table border="1" style="display: inline-table; margin-right: 20px;"> <thead> <tr> <th style="background-color: #d9ead3;">TTh</th> <th style="background-color: #d9ead3;">Th</th> <th style="background-color: #d9ead3;">H</th> <th style="background-color: #d9ead3;">T</th> <th style="background-color: #d9ead3;">O</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>● ● ● ●</td> <td>●</td> <td>● ● ● ● ● ●</td> </tr> </tbody> </table> b) <table border="1" style="display: inline-table;"> <thead> <tr> <th style="background-color: #d9ead3;">TTh</th> <th style="background-color: #d9ead3;">Th</th> <th style="background-color: #d9ead3;">H</th> <th style="background-color: #d9ead3;">T</th> <th style="background-color: #d9ead3;">O</th> </tr> </thead> <tbody> <tr> <td>● ●</td> <td>● ●</td> <td>● ● ●</td> <td></td> <td>● ● ● ● ●</td> </tr> </tbody> </table>	TTh	Th	H	T	O			● ● ● ●	●	● ● ● ● ● ●	TTh	Th	H	T	O	● ●	● ●	● ● ●		● ● ● ● ●
TTh	Th	H	T	O																	
		● ● ● ●	●	● ● ● ● ● ●																	
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4	a) <table border="1" style="display: inline-table; margin-right: 20px;"> <tr><td style="text-align: center;">67,611</td></tr> <tr><td style="text-align: center;">67,000</td><td style="text-align: center;">611</td></tr> </table> c) <table border="1" style="display: inline-table;"> <tr><td style="text-align: center;">78,319</td></tr> <tr><td style="text-align: center;">8,000</td><td style="text-align: center;">70,319</td></tr> </table>	67,611	67,000	611	78,319	8,000	70,319														
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	b) <table border="1" style="display: inline-table; margin-right: 20px;"> <tr><td style="text-align: center;">50,470</td></tr> <tr><td style="text-align: center;">50,000</td><td style="text-align: center;">470</td></tr> </table> d) <table border="1" style="display: inline-table;"> <tr><td style="text-align: center;">93,406</td></tr> <tr><td style="text-align: center;">93,006</td><td style="text-align: center;">400</td></tr> </table>	50,470	50,000	470	93,406	93,006	400														
50,470																					
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93,006	400																				
5	a) $42,000 = 40,000 + 2,000$ b) $17,250 = 10,000 + 7,000 + 200 + 50$ c) $20,455 = 20,000 + 400 + 50 + 5$ d) $70,090 = 60,000 + 10,000 + 90$ e) $50,641 = 40,000 + 10,000 + 300 + 341$																				
6	a) Any two 5-digit numbers with a 6 in the thousands place, e.g. 16,994 86,000 b) Any two 4-digit numbers with a 6 in the thousands place, e.g. 6,707 6,012																				
7	a) 33,000 36,000 32,500 37,500 b)  c) 																				

Y5 – Autumn – Block 1 – Numbers to a million Answers

Question	Answer
1	a) 822,961 b) 71,009 c) 303,406
2	a) 1 counter in the hundred thousands column, 4 counters in the thousands column, 3 counters in the hundreds column, 7 counters in the tens column and 9 counters in the ones column b) 8 counters in the hundred thousands column, 4 counters in the thousands column, 3 counters in the hundreds column, 6 counters in the tens column and 3 counters in the ones column c) 9 counters in the ten thousands column, 2 counters in the thousands column, 7 counters in the hundreds column, 1 counter in the tens column and 5 counters in the ones column d) 6 counters in the hundred thousands column, 9 counters in the ten thousands column, 1 counter in the tens column and 8 counters in the ones column Many possible answers, e.g: They all have a digit total of 24 They are all less than a million. They are all greater than 90,000 etc.
3	620,000 eight hundred and fifty thousand 762,000
4	a) 295 19,216 b) three numbers with 2 in the hundreds column, e.g. 1,250 10,299 999,299
5	a) 300 (3 hundreds) b) 300 (3 hundreds) c) 3 (3 ones) d) 300,000 (3 hundred thousands) e) 30,000 (3 ten thousands) f) 3,000 (3 thousands)
6	a) $32,607 = 30,000 + 2,000 + 600 + 7$ b) $2,915 = 2,000 + 900 + 10 + 5$ c) $30,316 = 30,000 + 300 + 10 + 6$ d) $438,390 = 400,000 + 30,000 + 8,000 + 300 + 90$ e) $769,688 = 700,000 + 60,000 + 9,000 + 600 + 80 + 8$

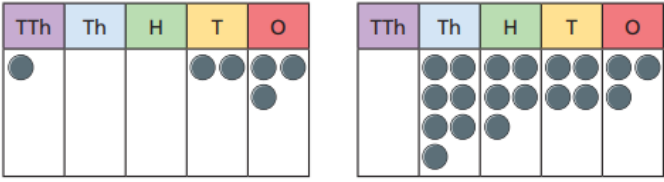
Y5 – Autumn – Block 1 – Numbers to a million Answers (continued)

Question	Answer		
7	10,000 less than	Number	10,000 more than
	260,875	270,875	280,875
	669,455	679,455	689,455
	385,600	395,600	405,600
	795,950	805,950	815,950
8	$300,000 + 76,480 = 376,480$ $300,000 + 276,480 = 576,480$ $376,480 - 76,480 = 300,000$ $576,480 - 500,000 = 76,480$		
9	possible solutions: 127,749 136,659 145,569 154,479 163,389		

Y6 – Autumn – Block 1 – Numbers to 10 million Answers

Question	Answer
1	<ul style="list-style-type: none"> a) 32,053 b) 302,530 c) 3,253,000
2	<ul style="list-style-type: none"> a) 7 counters in the hundreds column, 6 counters in the tens column and 5 counters in the ones column b) 3 counters in the ten thousands column, 9 counters in the thousands column and 8 counters in the hundreds column c) 7 counters in the millions column d) 3 counters in the hundred thousands column, 7 counters in the hundreds column, 6 counters in the tens column and 2 counters in the ones column
3	three 5-digit numbers with a 6 in the hundreds column, e.g. 32,600 41,657 20,611
4	<ul style="list-style-type: none"> a) 50 (5 tens) b) 7,000 (7 thousands) c) 90,000 (9 ten thousands) d) 3 (3 ones) e) 1,000,000 (1 million)
5	<ul style="list-style-type: none"> a) 6,000 b) 20,900 c) 700 d) $4,000 + 30 + 9$ e) 249,073 f) 52,600
6	$42,000 = 40,000 + 2,000$ $42,000 = 30,000 + 12,000$ $42,000 = 30,000 + 10,000 + 2,000$
7	<ul style="list-style-type: none"> a) five numbers each with a digit total of 7, e.g. 123,010 42,001 2,201,020 b) 7,000,000 c) 7 d) They all add up to 7
8	<ul style="list-style-type: none"> a) five thousand, three hundred and sixty b) eight hundred thousand, three hundred and twenty-five c) three million, four hundred and twelve thousand and sixteen
9	<ul style="list-style-type: none"> a) 9,006,050 b) children's clues and discussion about their clues c) open-ended activity

Y6 – Autumn – Block 1 – Compare and order any numbers Answers

Question	Answer
1	 <p style="text-align: center;"> <input checked="" type="checkbox"/> <input type="checkbox"/> </p> <p>10,023 is bigger than 7,543 because it has 10 thousand which is more 7 thousand. Multiple possible answers, e.g. move one counter from the tens of thousands column in the left-hand place value chart to the tens of thousands column in the right-hand place value chart, making the second number 17,543</p>
2	a) $2,335 < 11,211$ b) $12,335 > 11,211$ c) $100,000 > 10,000$
3	a) $<$ b) $>$ c) $<$ d) $>$ e) $>$ f) $=$
4	a) 0 b) 9 c) 0
5	Seine, Grande, Fraser, Congo, Amazon
6	£329,700 £275,000 £270,500 £257,905
7	a) 3,090 3,799 3,900 4,003 4,300 b) 7,000,666 7,006,000 7,600,700 7,606,700
8	a) 328,000 325,960 325,906 33,000 b) 2,000,000 600,000 half a million 25,000
9	any six numbers greater than 542,900 and less than 547,000 placed in the correct ascending order

Y5 – Autumn – Block 1 – Rounding to nearest 10, 100, 1,000 Answers

Question	Answer																				
1	63 rounds to 60 to the nearest 10 74 rounds to 70 to the nearest 10 67 rounds to 70 to the nearest 10 78 rounds to 80 to the nearest 10																				
2	a) 50 550 250 1,750 b) All the answers end with 50 because 48 will always round to 50 to the nearest 10 regardless of how many hundreds, thousands, etc. there are.																				
3	a) 1,500 1,600 1,500 1,600 b) Two of the answers round down to 1,500 and two round up to 1,600 The numbers that are less than 1,550 are closer to 1,500 and so are rounded down. The numbers that are more than 1,550 are closer to 1,600 and so are rounded up.																				
4	a) 740 700 1,000 b) 9,870 9,900 10,000																				
5	a) 653 645 648 b) 5,430 5,380 5,425 c) 12,475 11,780 12,399 12,111, 11,999 11,501																				
6	It cannot be less than 365 It cannot be more than 374 It must be between 365 and 374 It might be 366 (any integers between 364 and 375 are possible answers)																				
7	<table border="1"> <thead> <tr> <th>Number</th> <th>3,561</th> <th>9,730</th> <th>21,075</th> <th>903</th> </tr> </thead> <tbody> <tr> <td>Rounded to the nearest 10</td> <td>3,560</td> <td>9,730</td> <td>21,080</td> <td>900</td> </tr> <tr> <td>Rounded to the nearest 100</td> <td>3,600</td> <td>9,700</td> <td>21,100</td> <td>900</td> </tr> <tr> <td>Rounded to the nearest 1,000</td> <td>4,000</td> <td>10,000</td> <td>21,000</td> <td>1,000</td> </tr> </tbody> </table>	Number	3,561	9,730	21,075	903	Rounded to the nearest 10	3,560	9,730	21,080	900	Rounded to the nearest 100	3,600	9,700	21,100	900	Rounded to the nearest 1,000	4,000	10,000	21,000	1,000
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Rounded to the nearest 100	3,600	9,700	21,100	900																	
Rounded to the nearest 1,000	4,000	10,000	21,000	1,000																	
8	a) 9,119 b) 9,910 (Kim's number is 9,911)																				
9	yes number line showing 37 is closer to 0 than 100, so 37 rounded to the nearest 100 is 0																				

Y6 – Autumn – Block 1 – Round any number Answers

Question	Answer																														
1	a) 26,320 is closer to 26,000 than 27,000 b) 26,412 is closer to 26,000 than 27,000 c) 26,590 is close to 27,000 than 26,000																														
2	a) 18,000 b) 42,000 c) 34,000																														
3	a) Alex is incorrect. To round to the nearest hundred, she needs to look in the tens column. b) 12,163 rounded to the nearest hundred is 12,200 12,163 rounded to the nearest thousand is 12,000																														
4	100,000 200,000 100,000 200,000 100,000 1,200,000 When there are 4 tens of thousands or less, the numbers round to 100,000, whereas when there are 5 tens of thousands or more, the numbers round to 200,000																														
5	<table border="1"> <thead> <tr> <th>Rounded to the nearest</th> <th>147,283</th> <th>68,547</th> <th>1,656,908</th> <th>900,571</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>147,280</td> <td>68,550</td> <td>1,656,910</td> <td>900,570</td> </tr> <tr> <td>100</td> <td>147,300</td> <td>68,500</td> <td>1,656,900</td> <td>900,600</td> </tr> <tr> <td>1,000</td> <td>147,000</td> <td>69,000</td> <td>1,657,000</td> <td>901,000</td> </tr> <tr> <td>10,000</td> <td>150,000</td> <td>70,000</td> <td>1,660,000</td> <td>900,000</td> </tr> <tr> <td>100,000</td> <td>100,000</td> <td>100,000</td> <td>1,700,000</td> <td>900,000</td> </tr> </tbody> </table>	Rounded to the nearest	147,283	68,547	1,656,908	900,571	10	147,280	68,550	1,656,910	900,570	100	147,300	68,500	1,656,900	900,600	1,000	147,000	69,000	1,657,000	901,000	10,000	150,000	70,000	1,660,000	900,000	100,000	100,000	100,000	1,700,000	900,000
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100,000	100,000	100,000	1,700,000	900,000																											
6	38,350 38,499 37,500 37,690 37,999 38,098																														
7	a) 32_,657: one of 0, 1, 2, 3, 4 32_,657: 1 32_,657: one of 5, 6, 7, 8, 9 b) five possibilities for 32_,657: 0, 1, 2, 3, 4 one possibility for 32_,657: 1 five possibilities for 32_,657: 5, 6, 7, 8, 9																														
8	Eva is correct. Jack thinks 471,958 is closer to 400,000 than 500,000. 471,958 is bigger than 450,000 and so is closer to 500,000 Rosie has rounded 471,958 to the nearest 1,000 rather than 100,000																														
9	a) 654,998 b) 545,000 c) 54,999																														

Y6 – Autumn – Block 1 – Negative numbers Answers

Question	Answer
1	-7, -6, -5, -4, -3, -2, 0
2	a) 9°C b) 3°C c) 21°C d) 15°C e) -1°C f) -11°C
3	a) 5 more than -3 is 2 b) 4 less than 1 is -3 c) 4 more than -4 is 0 d) 3 less than -1 is -4
4	16 m
5	a) 2 b) -3 c) 0 d) -4 e) -2 f) -5 g) -8 h) 2
6	a) $-\frac{4}{5}, -\frac{3}{5}, -\frac{2}{5}, \frac{3}{5}, \frac{4}{5}, 1, 1\frac{1}{5}$ b) -1.5, -1.25, -0.75, -0.5, -0.25, 0.25, 0.75, 1 c) -25, -20, -15, -10, -5, 5, 10, 15, 25 d) -20, -16, -12, -8, -4, 4, 8, 12, 16
7	Dexter: $-12 + 7 = -5$ Eva: $-9 + 12 = 3$ Eva has won the game by 8 points.
8	A = -15 B = 3 A + B = -12 A - B = -18