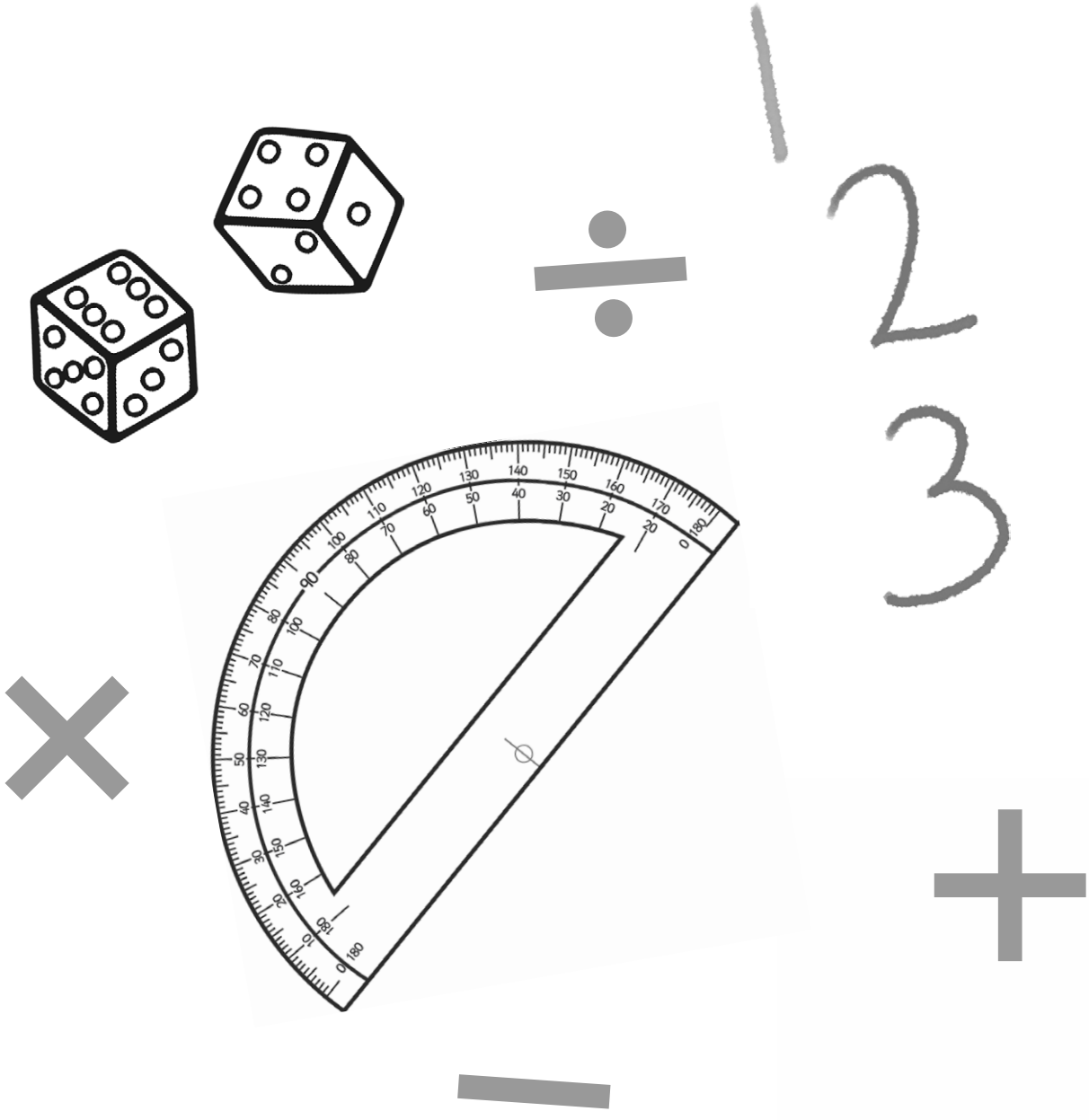
Year 6
Number and Place Value
Workbook



Home Learning Year 6 Maths Workbook Pack

Year 6 Programme of Study – Number and Place Value

Statutory Requirements	Worksheet	Page Number	Notes
Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit	Ordering Numbers	3 - 5	
	Writing Numbers to 1 000 000 in words	6 - 7	
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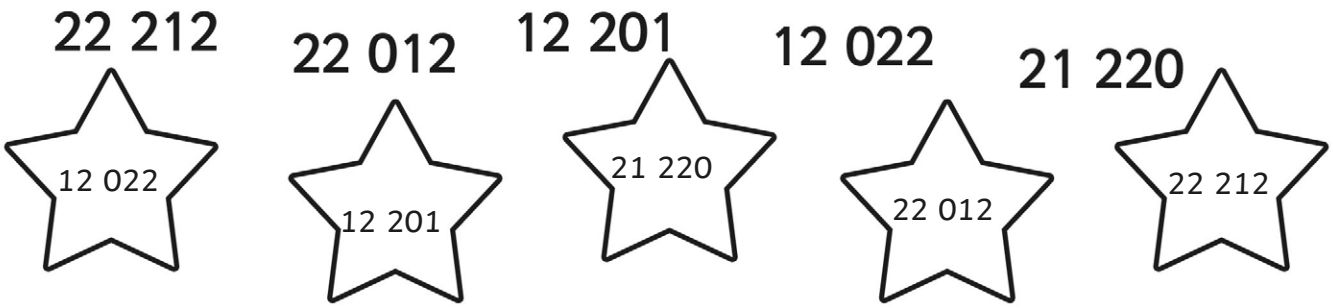
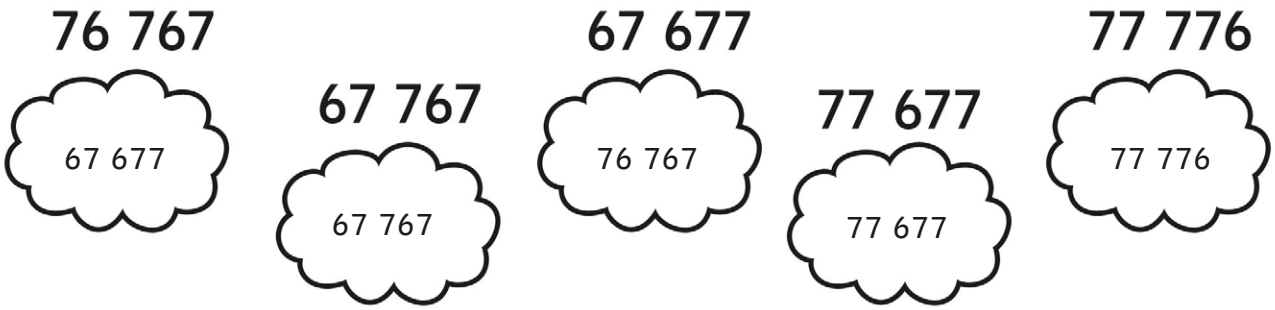
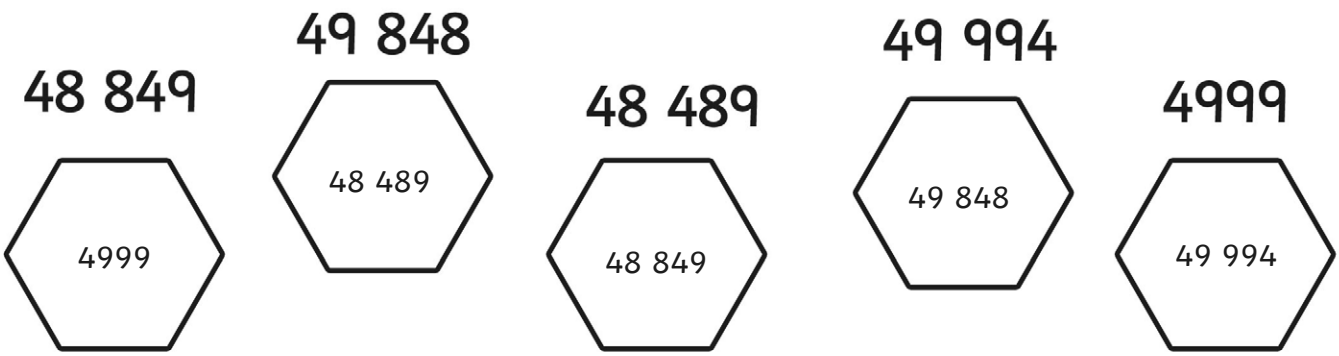
Round any whole number to a required degree of accuracy	Round any Whole Number to a Required Degree of Accuracy Worksheet.	10	
Use negative numbers in context, and calculate intervals across 0	Calculating Intervals Across 0 Worksheet.	11	
Solve number and practical problems that involve all of the above	Rounding Using Real Life Situations	12 - 13	

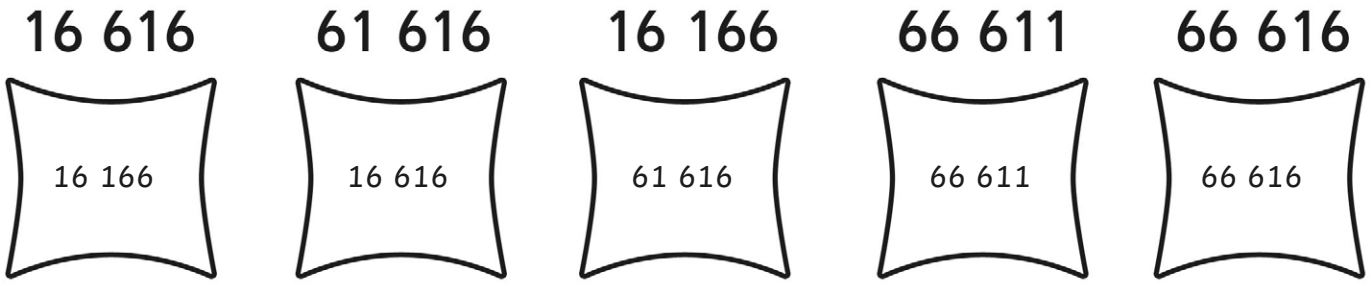
Ordering Numbers to 100 000

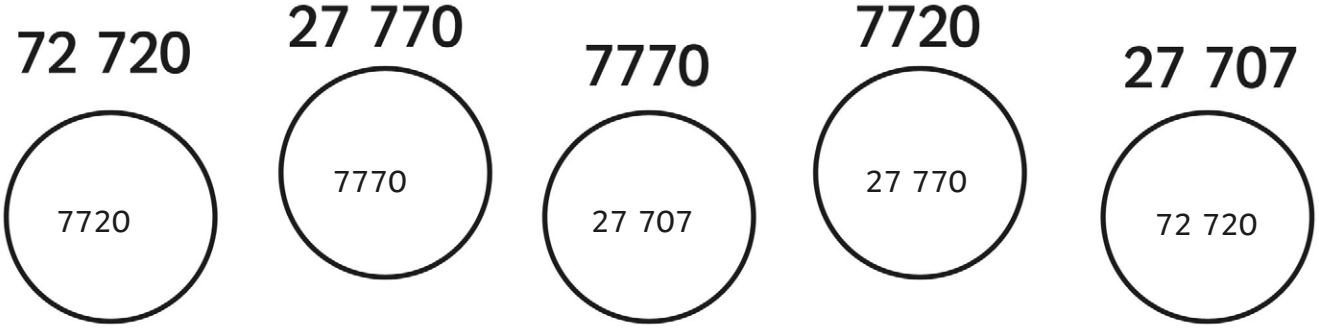
Fill in the spaces below with the numbers in order from smallest to largest.





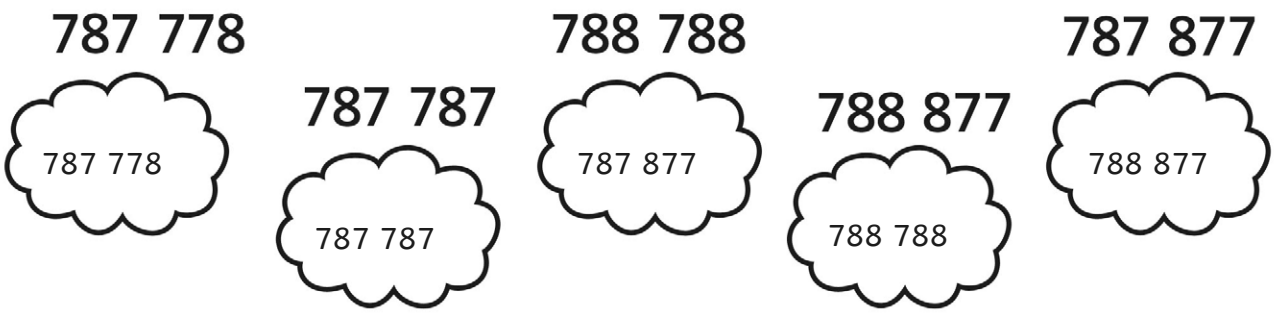


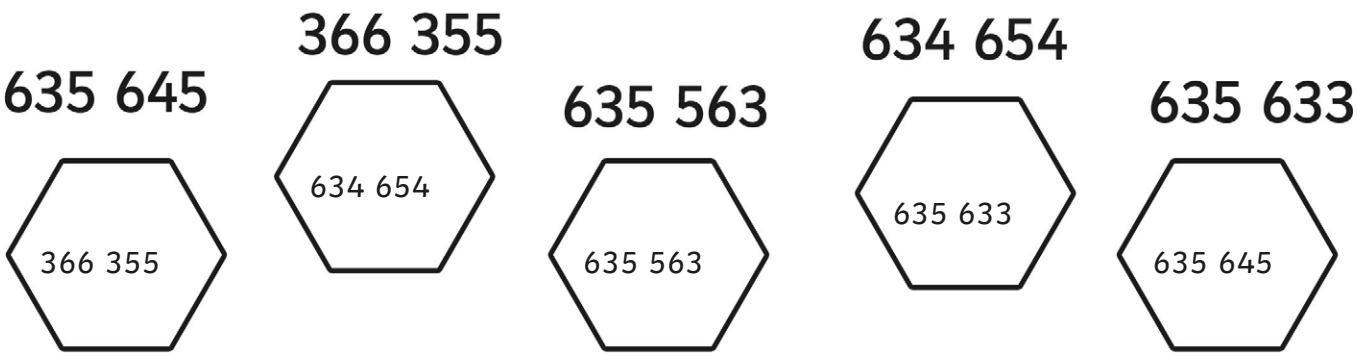


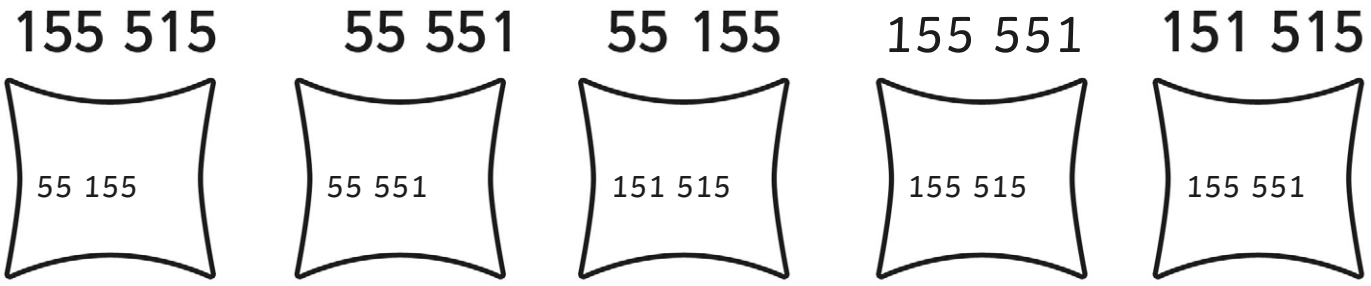


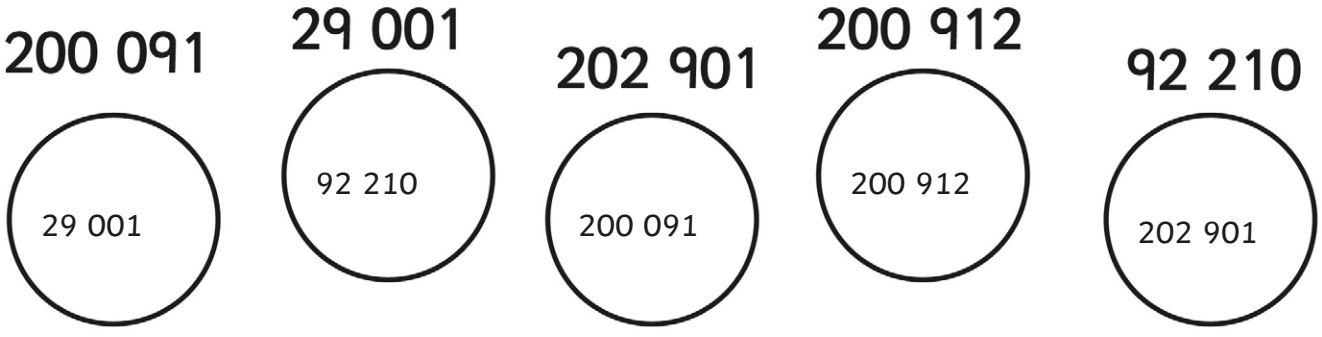
Ordering Numbers to 1 000 000

Fill in the spaces below with the numbers in order from smallest to largest.



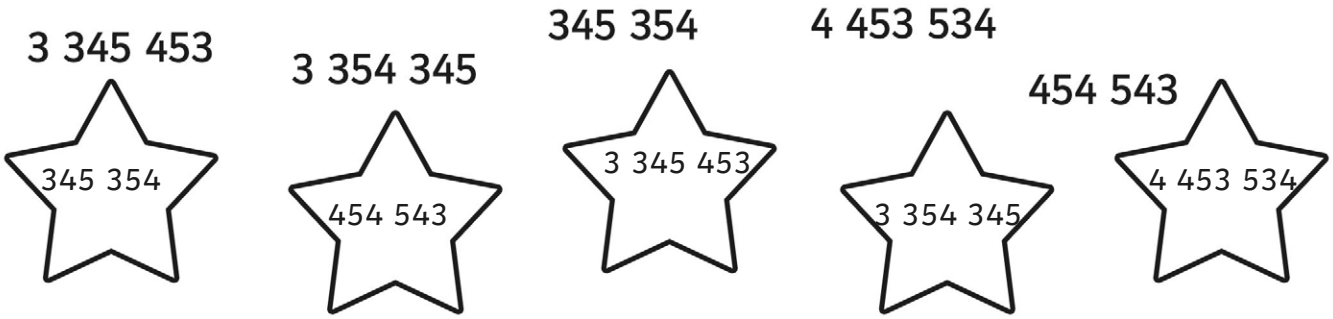


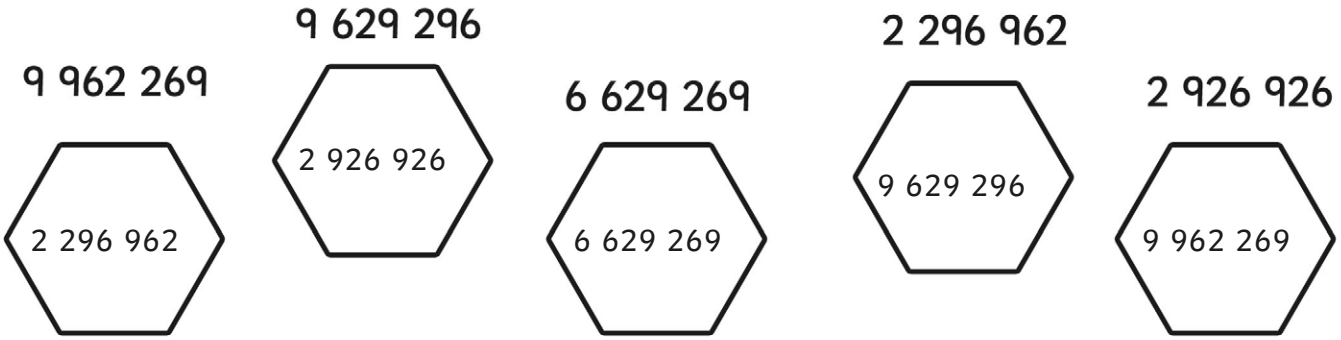


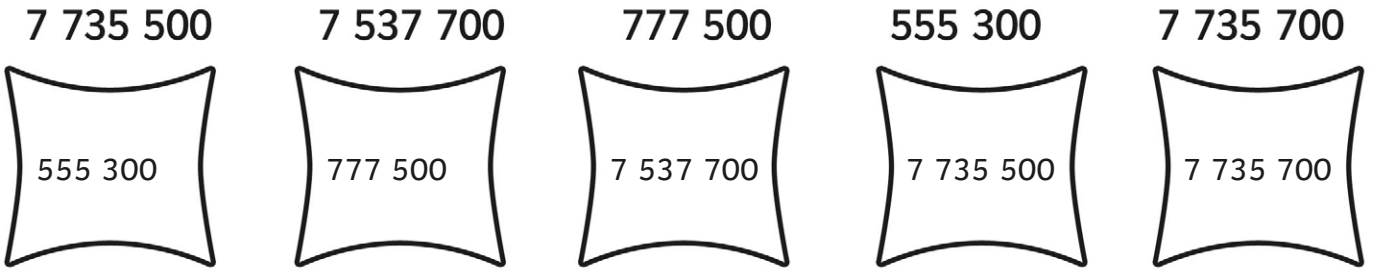


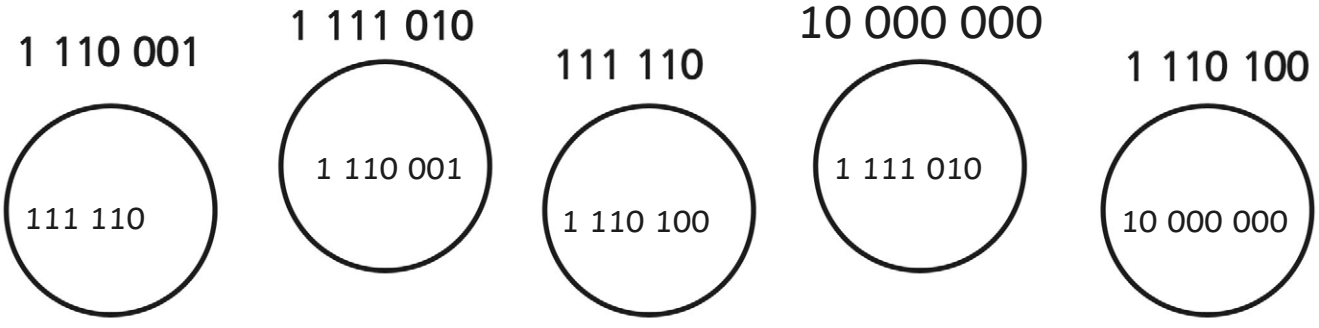
Ordering Numbers to 10 000 000

Fill in the spaces below with the numbers in order from smallest to largest.









Writing Numbers to 10 000 000 in Words

Write the following numbers in words:

263 443	Two hundred and sixty three thousand, four hundred and forty three
516 283	Five hundred and sixteen thousand, two hundred and eighty three
787 865	Seven hundred and eighty seven thousand, eight hundred and sixty five
3 883 091	Three million, eight hundred and eighty three thousand and ninety one
7 060 696	Seven million and sixty thousand, six hundred and ninety six
10 000 000	Ten million
8 589 130	Eight million, five hundred and eighty nine thousand, one hundred and thirty
1 645 099	One million, six hundred and forty five thousand and ninety nine
9 840 781	Nine million, eight hundred and forty thousand, seven hundred and eighty one
5 709 118	Five million, seven hundred and nine thousand, one hundred and eighteen

1 645 099	Seven million, one hundred and twelve thousand and ninety eight
9 840 781	Two million, two hundred and forty five thousand, five hundred and ninety
5 709 118	Nine million, three hundred and ninety thousand, five hundred and nineteen
7 112 098	One million, one hundred and one thousand and ten
2 245 590	Two million, two hundred and forty-five thousand, five hundred and ninety
9 390 519	Nine million, three hundred and ninety thousand, five hundred and nineteen
1 101 010	One million, one hundred and one thousand and ten

Challenge

Can you add 2 of these numbers together using the number written in words? How would you set out the calculation?

Place Value to 10 000 000 Worksheet: Answers

question	answer
A.	
1	2000
2	800 000
3	300
4	100 000
5	90 000
6	8 000 000
7	90
8	9 000 000
B.	
1	3 008 097 Three million eight thousand and ninety seven.
2	4 960 570 Four million nine hundred and sixty thousand, five hundred and seventy.
3	470 367 Four hundred and seventy thousand three hundred and sixty seven.
4	8 160 262 Eight million one hundred and sixty thousand, two hundred and sixty two.
5	6 008 006 Six million eight thousand and six.
C.	
1	527 856
2	7 527 856
3	3 917 356

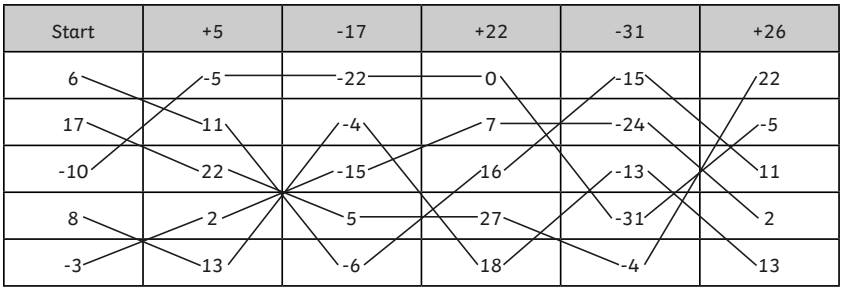
Round any Whole Number to a Required Degree of Accuracy Worksheet: Answers

question	answer
A.	

Number	Rounded to Nearest Ten	Nearest Hundred	Nearest Thousand	Nearest Ten Thousand	Nearest Hundred Thousand	Nearest Million
5 658 485	**5 658 490**	**5 658 500**	**5 658 000**	**5 660 000**	**5 700 000**	**6 000 000**
34 745 123	**34 745 120**	**34 745 100**	**34 745 000**	**34 750 000**	**34 800 000**	**35 000 000**
56 830 879	**56 830 880**	**56 830 900**	**56 831 000**	**56 830 000**	**56 800 000**	**57 000 000**
50 313	**50 310**	**50 300**	**50 000**	**50 000**	**100 000**	**0**
776 927	**776 930**	**776 900**	**777 000**	**780 000**	**800 000**	**1 000 000**
379 298 845	**379 298 850**	**379 298 900**	**379 299 000**	**379 300 000**	**379 300 000**	**379 000 000**
4 448 529	**4 448 530**	**4 448 500**	**4 449 000**	**4 450 000**	**4 500 000**	**4 000 000**
99 999 999	**100 000 000**	**100 000 000**	**100 000 000**	**100 000 000**	**100 000 000**	**100 000 000**

B.	
1	**56 500 - 57 499**
2	**500 000 - 1 499 999**
3	**2 345 885 - 2 345 894**
4	**6 445 000 - 6 454 999**
5	**77 150 000 - 77 249 999**
6	**675 000 000 - 684 999 999**

Calculating Intervals Across 0 Worksheet: Answers

question	answer
A.	
	
B.	
1	£22
2	-£132
3	£12
4	£46

Using Rounding in Real Life Situations: Answers

question	answer
1	357cm to the nearest 4 metres.
2	1800 + 1700 + 1400 + 1900 = **6800cm**
3	Winning party = **Red** by approximately **2000** votes.
4	63 x £2.50 = **£157.50** therefore, he needs to withdraw **£160** from his bank account.
5	**£25 000** when amounts are rounded to nearest thousand.
6	**£1400, Yes,** Gregor can afford to take the new job.