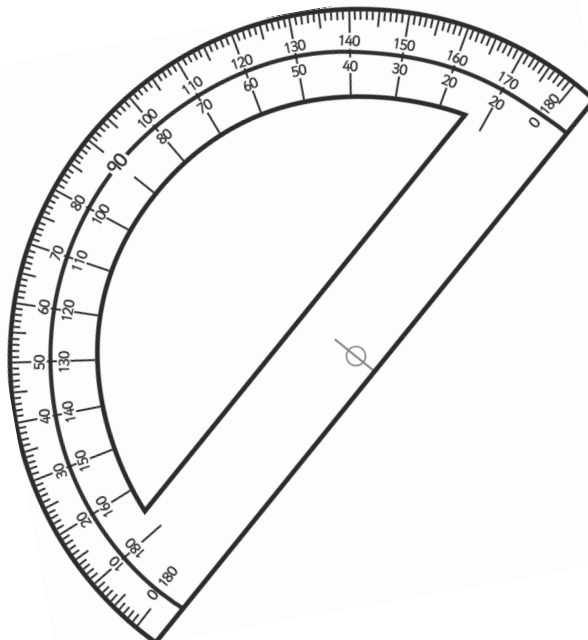
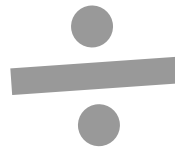
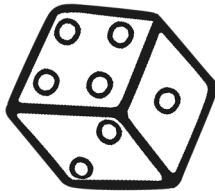


# Year 6

# 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	
	Place Value to 10 000 000	8 - 9	
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.

22 212

22 012

12 201

12 022

21 220



76 767

67 767

67 677

77 677

77 776



48 849

49 848

48 489

49 994

4999



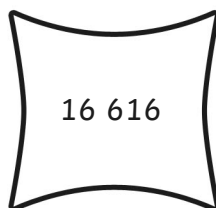
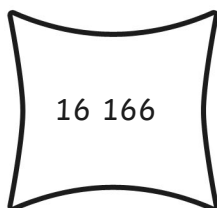
16 616

61 616

16 166

66 611

66 616



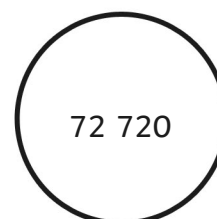
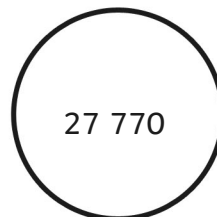
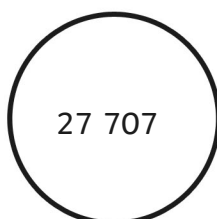
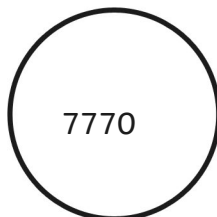
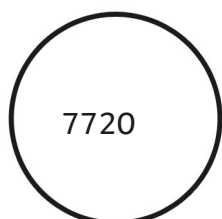
72 720

27 770

7770

7720

27 707



## Ordering Numbers to 1 000 000

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

965 695



966 596



965 599



966 659



966 569



787 778



787 787



788 788



788 877



787 877



635 645



366 355



635 563



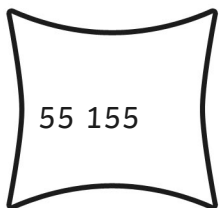
634 654



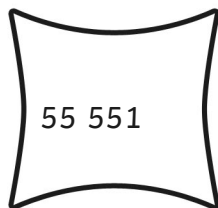
635 633



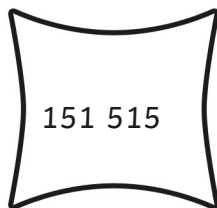
155 515



55 551



55 155



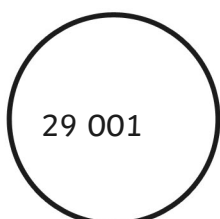
155 551



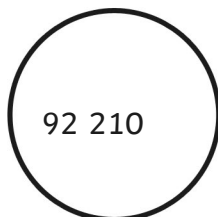
151 515



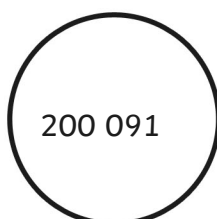
200 091



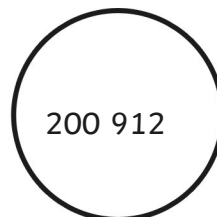
29 001



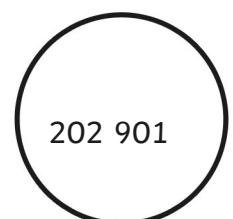
202 901



200 912



92 210



## Ordering Numbers to 10 000 000

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

3 345 453



3 354 345



345 354



4 453 534



454 543



707 700



7 707 007



7 777 707



7 770 007



777 700



9 962 269



9 629 296



6 629 269



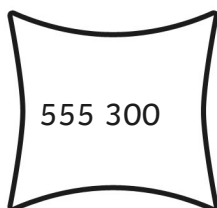
2 296 962



2 926 926



7 735 500



7 537 700



777 500



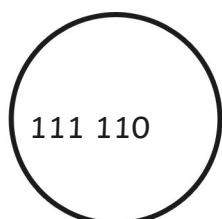
555 300



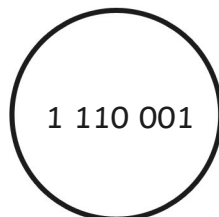
7 735 700



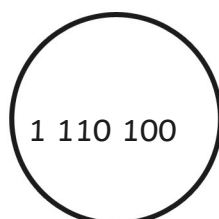
1 110 001



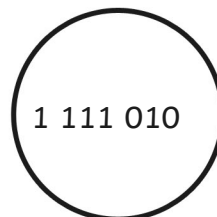
1 111 010



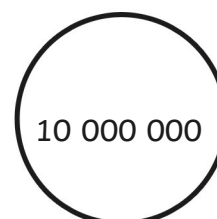
111 110



10 000 000



1 110 100



## 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	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
7 112 098	Seven million, one hundred and twelve thousand and ninety-eight
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
<b>A.</b>	
1	2000
2	800 000
3	300
4	100 000
5	90 000
6	8 000 000
7	90
8	9 000 000
<b>B.</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.
<b>C.</b>	
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						
<b>A.</b>							
	Number	Rounded to Nearest Ten	Nearest Hundred	Nearest Thousand	Nearest Ten Thousand	Nearest Hundred Thousand	Nearest Million
	5 658 485	<b>5 658 490</b>	<b>5 658 500</b>	<b>5 658 000</b>	<b>5 660 000</b>	<b>5 700 000</b>	<b>6 000 000</b>
	34 745 123	<b>34 745 120</b>	<b>34 745 100</b>	<b>34 745 000</b>	<b>34 750 000</b>	<b>34 800 000</b>	<b>35 000 000</b>
	56 830 879	<b>56 830 880</b>	<b>56 830 900</b>	<b>56 831 000</b>	<b>56 830 000</b>	<b>56 800 000</b>	<b>57 000 000</b>
	50 313	<b>50 310</b>	<b>50 300</b>	<b>50 000</b>	<b>50 000</b>	<b>100 000</b>	<b>0</b>
	776 927	<b>776 930</b>	<b>776 900</b>	<b>777 000</b>	<b>780 000</b>	<b>800 000</b>	<b>1 000 000</b>
	379 298 845	<b>379 298 850</b>	<b>379 298 900</b>	<b>379 299 000</b>	<b>379 300 000</b>	<b>379 300 000</b>	<b>379 000 000</b>
	4 448 529	<b>4 448 530</b>	<b>4 448 500</b>	<b>4 449 000</b>	<b>4 450 000</b>	<b>4 500 000</b>	<b>4 000 000</b>
	99 999 999	<b>100 000 000</b>	<b>100 000 000</b>	<b>100 000 000</b>	<b>100 000 000</b>	<b>100 000 000</b>	<b>100 000 000</b>
<b>B.</b>							
1	<b>56 500 - 57 499</b>						
2	<b>500 000 - 1 499 999</b>						
3	<b>2 345 885 - 2 345 894</b>						
4	<b>6 445 000 - 6 454 999</b>						
5	<b>77 150 000 - 77 249 999</b>						
6	<b>675 000 000 - 684 999 999</b>						

# Calculating Intervals Across 0 Worksheet: Answers

question	answer																																				
<b>A.</b>																																					
	<table border="1"> <thead> <tr> <th>Start</th> <th>+5</th> <th>-17</th> <th>+22</th> <th>-31</th> <th>+26</th> </tr> </thead> <tbody> <tr> <td>6</td> <td>-5</td> <td>-22</td> <td>0</td> <td>-15</td> <td>22</td> </tr> <tr> <td>17</td> <td>11</td> <td>-4</td> <td>7</td> <td>-24</td> <td>-5</td> </tr> <tr> <td>-10</td> <td>22</td> <td>-15</td> <td>16</td> <td>-13</td> <td>11</td> </tr> <tr> <td>8</td> <td>2</td> <td>5</td> <td>-27</td> <td>-31</td> <td>2</td> </tr> <tr> <td>-3</td> <td>13</td> <td>-6</td> <td>18</td> <td>-4</td> <td>13</td> </tr> </tbody> </table>	Start	+5	-17	+22	-31	+26	6	-5	-22	0	-15	22	17	11	-4	7	-24	-5	-10	22	-15	16	-13	11	8	2	5	-27	-31	2	-3	13	-6	18	-4	13
Start	+5	-17	+22	-31	+26																																
6	-5	-22	0	-15	22																																
17	11	-4	7	-24	-5																																
-10	22	-15	16	-13	11																																
8	2	5	-27	-31	2																																
-3	13	-6	18	-4	13																																
<b>B.</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	$1800 + 1700 + 1400 + 1900 = \mathbf{6800cm}$
3	Winning party = <b>Red</b> by approximately <b>2000</b> votes.
4	$63 \times \pounds 2.50 = \mathbf{\pounds 157.50}$ therefore, he needs to withdraw <b>\pounds 160</b> from his bank account.
5	<b>\pounds 25 000</b> when amounts are rounded to nearest thousand.
6	<b>\pounds 1400, Yes</b> , Gregor can afford to take the new job.