

# Place Value Skills Session

Today we would like you to practise the skills linked to reading, writing, partitioning and ordering numbers.  
See how many of the following questions you can answer in your maths session today and then assess your understanding.

# Number Partitioning

1.  $\begin{array}{|c|c|c|c|c|c|} \hline 1 & 5 & 6 & 8 & 9 & 2 \\ \hline \end{array} = \text{C} + \square + \square + \square + \square + \text{C}$

2.  $\begin{array}{|c|c|c|c|c|c|} \hline 8 & 2 & 7 & 0 & 4 & 5 \\ \hline \end{array} = \text{C} + \square + \square + \square + \text{C}$

3.  $\begin{array}{|c|c|c|c|c|c|} \hline 2 & 6 & 4 & 7 & 8 & 3 \\ \hline \end{array} = \text{C} + \square + \square + \square + \square + \text{C}$

4.  $\begin{array}{|c|c|c|c|c|c|} \hline 4 & 0 & 3 & 6 & 2 & 3 \\ \hline \end{array} = \text{C} + \square + \square + \square + \text{C}$

5.  $\begin{array}{|c|} \hline 500\ 000 \\ \hline \end{array} + \begin{array}{|c|} \hline 60\ 000 \\ \hline \end{array} + \begin{array}{|c|} \hline 3000 \\ \hline \end{array} + \begin{array}{|c|} \hline 600 \\ \hline \end{array} + \begin{array}{|c|} \hline 10 \\ \hline \end{array} = \begin{array}{|c|c|c|c|c|c|} \hline & & & & & \\ \hline \end{array}$

6.  $\begin{array}{|c|} \hline 400\ 000 \\ \hline \end{array} + \begin{array}{|c|} \hline 70\ 000 \\ \hline \end{array} + \begin{array}{|c|} \hline 3000 \\ \hline \end{array} + \begin{array}{|c|} \hline 400 \\ \hline \end{array} + \begin{array}{|c|} \hline 80 \\ \hline \end{array} + \begin{array}{|c|} \hline 4 \\ \hline \end{array} = \begin{array}{|c|c|c|c|c|c|} \hline & & & & & \\ \hline \end{array}$

7.  $\begin{array}{|c|} \hline 800\ 000 \\ \hline \end{array} + \begin{array}{|c|} \hline 6000 \\ \hline \end{array} + \begin{array}{|c|} \hline 300 \\ \hline \end{array} + \begin{array}{|c|} \hline 20 \\ \hline \end{array} + \begin{array}{|c|} \hline 8 \\ \hline \end{array} = \begin{array}{|c|c|c|c|c|c|} \hline & & & & & \\ \hline \end{array}$

8.  $\begin{array}{|c|} \hline 100\ 000 \\ \hline \end{array} + \begin{array}{|c|} \hline 10\ 000 \\ \hline \end{array} + \begin{array}{|c|} \hline 1000 \\ \hline \end{array} + \begin{array}{|c|} \hline 400 \\ \hline \end{array} + \begin{array}{|c|} \hline 90 \\ \hline \end{array} + \begin{array}{|c|} \hline 7 \\ \hline \end{array} = \begin{array}{|c|c|c|c|c|c|} \hline & & & & & \\ \hline \end{array}$

9.  $\begin{array}{|c|c|c|c|c|c|} \hline 7 & 2 & 8 & 4 & 2 & 9 \\ \hline \end{array} = \begin{array}{|c|} \hline 700\ 000 \\ \hline \end{array} + \square + \begin{array}{|c|} \hline 8000 \\ \hline \end{array} + \square + \begin{array}{|c|} \hline 20 \\ \hline \end{array} + \text{C}$

## Ordering Numbers to 10 000

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

2212

2012

1201

1022

2120



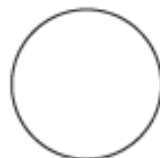
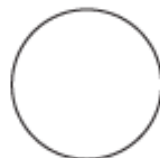
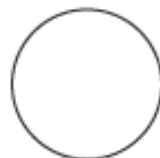
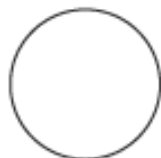
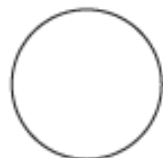
7676

6776

6677

7767

7776



4849

4948

4489

4994

449



1161

6161

1616

6611

6616



7220

2770

770

720

2707



# Ordering Numbers to 100 000

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

35 435

34 534

35 533

34 453

34 543



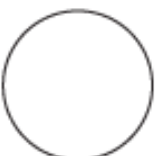
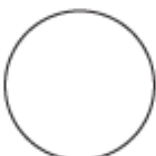
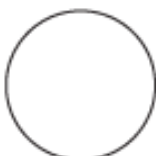
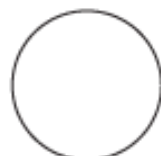
89 998

89 989

88 988

88 899

89 899



17 717

7771

7177

77 717

71 717



25 645

26 255

25 562

24 654

25 622



4091

491

4901

914

9410



# Ordering Numbers to 1 000 000

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

245 452

254 245

45 254

452 524

54 542



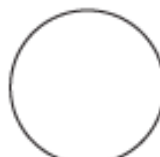
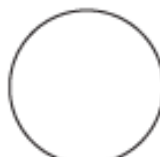
90 900

909 009

999 909

990 009

99 900



368 863

683 836

683 863

836 368

386 386



725 500

527 700

77 500

55 200

725 700



110 001

111 010

11 110

111 101

110 100



# Writing Numbers to 1 000 000 in Words



Write the following words in numbers:

23 443	Twenty-three thousand, four hundred and forty-three
51 623	
78 785	
33 091	
60 696	
402 341	
589 130	
645 099	
840 781	
709 118	
112 098	
245 590	
390 519	
101 010	

# Writing Numbers to 1 000 000 in Numbers



Write the following words in numbers:

Two hundred and forty-five thousand, eight hundred and forty-six	245 846
Six hundred thousand, seven hundred and thirty-two	
Nine hundred and thirteen thousand, five hundred and forty-one	
Seven hundred and fifteen thousand, two hundred and twenty-eight	
Four hundred and six thousand, seven hundred and ninety-four	
Nine hundred and thirty-six thousand, two hundred and fifty-five	
One hundred and seventeen thousand and four	
Five hundred and thirty-five thousand, seven hundred and six	
Two hundred thousand and twenty-two	
Four hundred and eighty-eight thousand and sixty	
Eight hundred and forty-eight thousand, nine hundred and three	
Nine hundred and ninety-one thousand, one hundred and nineteen	
One hundred and ninety-nine thousand, nine hundred and nineteen	
Five hundred and fifteen thousand, one hundred and fifty-one	

# Writing Numbers to 1 000 000 in Words and Numbers



Write the following words in words and in numbers:

	56 601
	90 452
Two hundred and fourteen thousand, three hundred and twelve	
Six hundred and fourteen thousand and fifty-nine	
	345 327
Four hundred thousand, two hundred and twelve	
Eight hundred and eight thousand, eight hundred and eight	
	880 880
	666 000
Six hundred and sixteen thousand, one hundred and sixty-one	
	797 779
Three hundred and thirty seven thousand and thirty seven	
	340 819
Three hundred and thirty-seven thousand and thirty-seven	

## Number Partitioning Answers

1.  $\begin{array}{|c|c|c|c|c|} \hline 1 & 5 & 6 & 8 & 9 \\ \hline \end{array} \begin{array}{|c|} \hline 2 \\ \hline \end{array} = 100\,000 + 50\,000 + 6\,000 + 800 + 90 + 2$

2.  $\begin{array}{|c|c|c|c|c|} \hline 8 & 2 & 7 & 0 & 4 \\ \hline \end{array} \begin{array}{|c|} \hline 5 \\ \hline \end{array} = 800\,000 + 20\,000 + 7\,000 + 40 + 5$

3.  $\begin{array}{|c|c|c|c|c|} \hline 2 & 6 & 4 & 7 & 8 \\ \hline \end{array} \begin{array}{|c|} \hline 3 \\ \hline \end{array} = 200\,000 + 60\,000 + 4\,000 + 700 + 80 + 3$

4.  $\begin{array}{|c|c|c|c|c|} \hline 4 & 0 & 3 & 6 & 2 \\ \hline \end{array} \begin{array}{|c|} \hline 3 \\ \hline \end{array} = 400\,000 + 3\,000 + 600 + 20 + 3$

5.  $500\,000 + 60\,000 + 3\,000 + 600 + 10 = \begin{array}{|c|c|c|c|c|} \hline 5 & 6 & 3 & 6 & 1 \\ \hline \end{array} \begin{array}{|c|} \hline 0 \\ \hline \end{array}$

6.  $400\,000 + 70\,000 + 3\,000 + 400 + 80 + 4 = \begin{array}{|c|c|c|c|c|} \hline 4 & 7 & 3 & 4 & 8 \\ \hline \end{array} \begin{array}{|c|} \hline 4 \\ \hline \end{array}$


























7.  $800\,000 + 6\,000 + 300 + 20 + 8 = \begin{array}{|c|c|c|c|c|} \hline 8 & 0 & 6 & 3 & 2 \\ \hline \end{array} \begin{array}{|c|} \hline 8 \\ \hline \end{array}$

8.  $100\,000 + 10\,000 + 1\,000 + 400 + 90 + 7 = \begin{array}{|c|c|c|c|c|} \hline 1 & 1 & 1 & 4 & 9 \\ \hline \end{array} \begin{array}{|c|} \hline 7 \\ \hline \end{array}$

9.  $\begin{array}{|c|c|c|c|c|} \hline 7 & 2 & 8 & 4 & 2 \\ \hline \end{array} \begin{array}{|c|} \hline 9 \\ \hline \end{array} = 700\,000 + 20\,000 + 8\,000 + 400 + 20 + 9$


























## Ordering Numbers to 10 000 Answers

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

2212	2012	1201	1022	2120
				
7676	6776	6677	7767	7776
				
4849	4948	4489	4994	449
				
1161	6161	1616	6611	6616
				
7220	2770	770	720	2707
				


























## Ordering Numbers to 100 000 Answers

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

35 435	34 534	35 533	34 453	34 543
				
89 998	89 989	88 988	88 899	89 899
				
17 717	7771	7177	77 717	71 717
				
25 645	26 255	25 562	24 654	25 622
				
4091	491	4901	914	9410
				

## Ordering Numbers to 1 000 000 Answers

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

245 452	254 245	45 254	452 524	54 542
				
90 900	909 009	999 909	990 009	99 900
				
368 863	683 836	683 863	836 368	386 386
				
725 500	527 700	77 500	55 200	725 700
				
110 001	111 010	11 110	111 101	110 100
				

## Writing Numbers to 1 000 000 in Words Answers



Write the following words in numbers:

23 443	Twenty-three thousand, four hundred and forty-three
51 623	Fifty-one thousand, six hundred and twenty-three
78 785	Seventy-eight thousand, seven hundred and eighty-five
33 091	Thirty-three thousand and ninety-one
60 696	Sixty thousand, six hundred and ninety-six
402 341	Four hundred and two thousand, three hundred and forty-one
589 130	Five hundred and eighty-nine thousand, one hundred and thirty
645 099	Six hundred and forty-five thousand and ninety-nine
840 781	Eight hundred and forty thousand, seven hundred and eighty-one
709 118	Seven hundred and nine thousand, one hundred and eighteen
112 098	One hundred and twelve thousand and ninety-eight
245 590	Two hundred and forty-five thousand, five hundred and ninety
390 519	Three hundred and ninety thousand, five hundred and nineteen
101 010	One hundred and one thousand and ten

## Writing Numbers to 1 000 000 in Numbers Answers



Write the following words in numbers:

Two hundred and forty-five thousand, eight hundred and forty-six	245 846
Six hundred thousand, seven hundred and thirty-two	600 732
Nine hundred and thirteen thousand, five hundred and forty-one	913 541
Seven hundred and fifteen thousand, two hundred and twenty-eight	715 228
Four hundred and six thousand, seven hundred and ninety-four	406 794
Nine hundred and thirty-six thousand, two hundred and fifty-five	936 255
One hundred and seventeen thousand and four	117 004
Five hundred and thirty-five thousand, seven hundred and six	535 706
Two hundred thousand and twenty-two	200 022
Four hundred and eighty-eight thousand and sixty	488 060
Eight hundred and forty-eight thousand, nine hundred and three	848 903
Nine hundred and ninety-one thousand, one hundred and nineteen	991 119
One hundred and ninety-nine thousand, nine hundred and nineteen	199 919
Five hundred and fifteen thousand, one hundred and fifty-one	515 151



# Writing Numbers to 1 000 000 in Words and Numbers Answers



Write the following words in words and in numbers:

Fifty-six thousand, six hundred and one	56 601
Ninety thousand, four hundred and fifty-two	90 452
Two hundred and fourteen thousand, three hundred and twelve	214 312
Six hundred and fourteen thousand and fifty-nine	614 059
Three hundred and forty-five thousand, three hundred and twenty-seven	345 327
Four hundred thousand, two hundred and twelve	400 212
Eight hundred and eight thousand, eight hundred and eight	808 808
Eight hundred and eighty thousand, eight hundred and eighty	880 880
Six hundred and sixty-six thousand	666 000
Six hundred and sixteen thousand, one hundred and sixty-one	616 161
Seven hundred and ninety-seven thousand, seven hundred and seventy-nine	797 779
Three hundred and thirty-seven thousand and thirty-seven	337 037
Three hundred and forty thousand, eight hundred and nineteen	340 819
Seven hundred and seventeen thousand, one hundred and seventy	717 170

Assess your understanding linked to place value. How confident do you feel with:

- Partitioning numbers
- Ordering numbers
- Writing numbers in words
- Writing numbers as numbers (in digits)