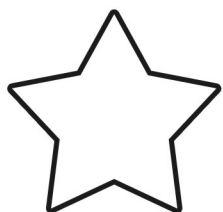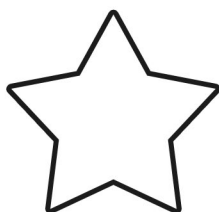# Ordering Numbers to 100 000

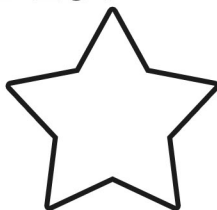Fill in the spaces below with the numbers in order from smallest to largest.
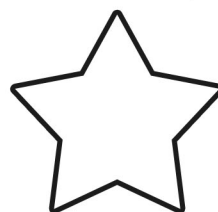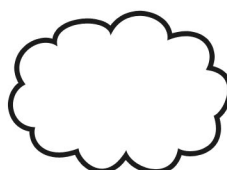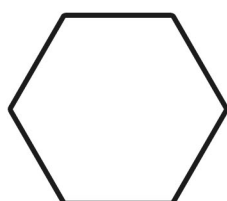
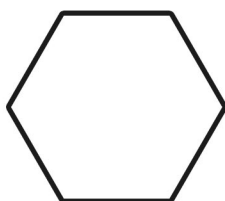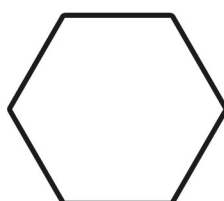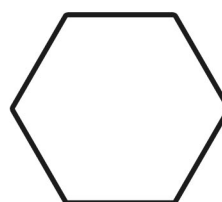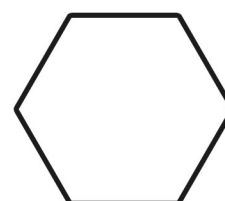22 212   22 012   12 201   12 022   21 220
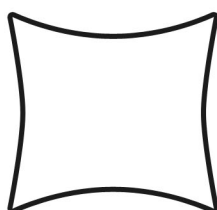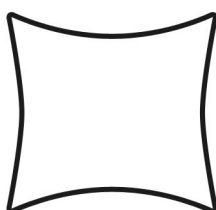
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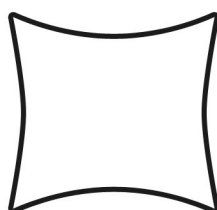
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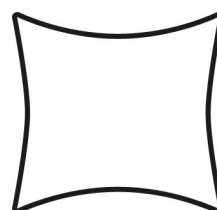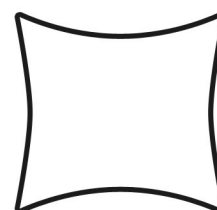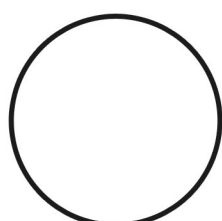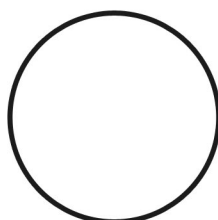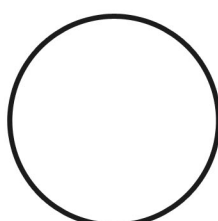
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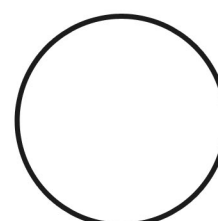
Ordering Numbers to 1 000 000

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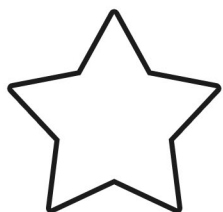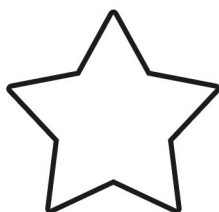
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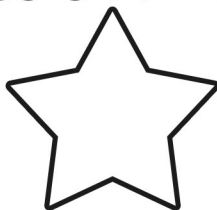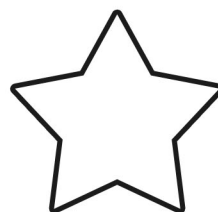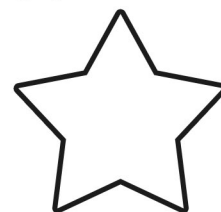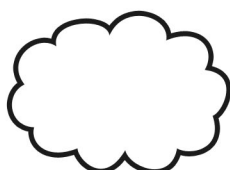
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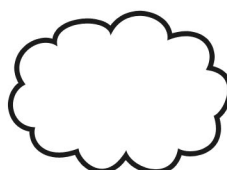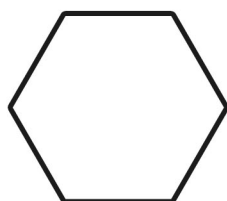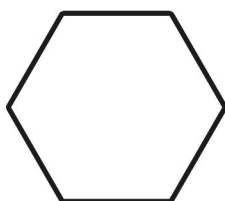
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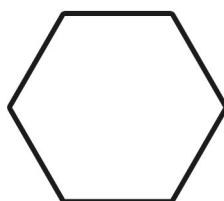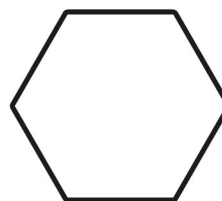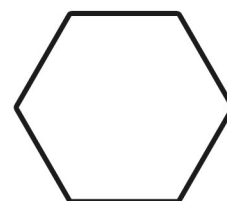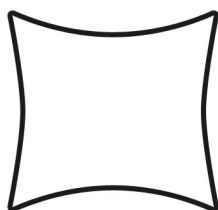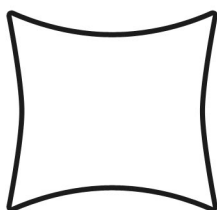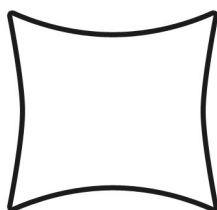
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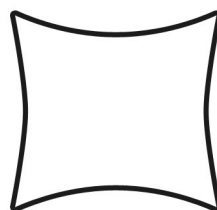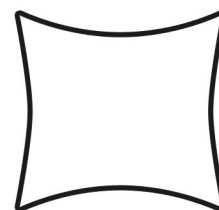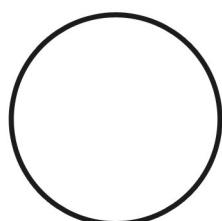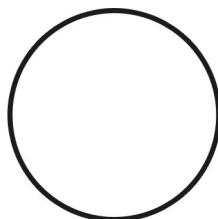
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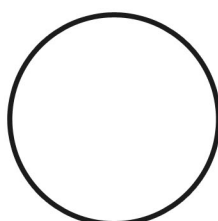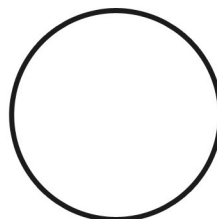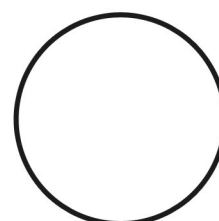
Ordering Numbers to 10 000 000

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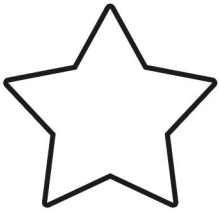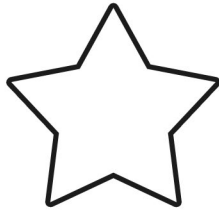
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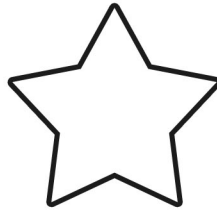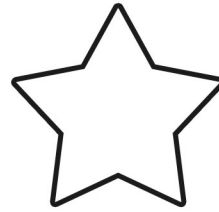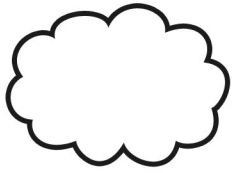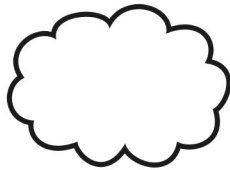
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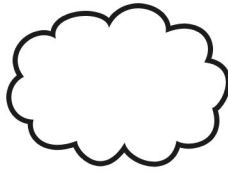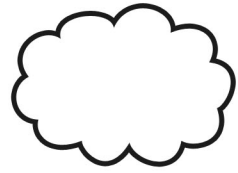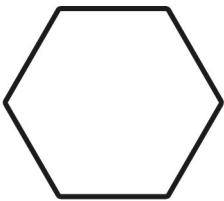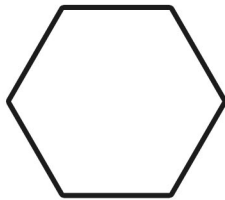
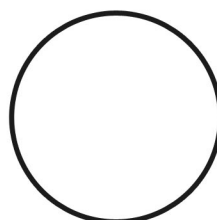9 962 269   9 629 296   6 629 269   2 296 962   2 926 926
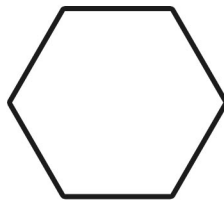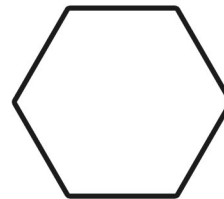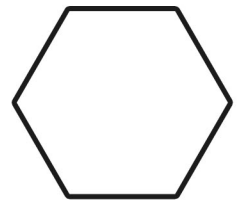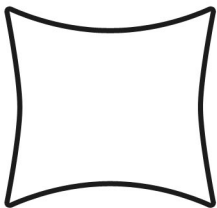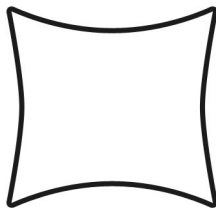
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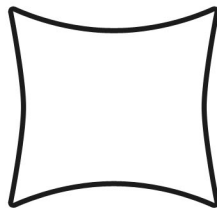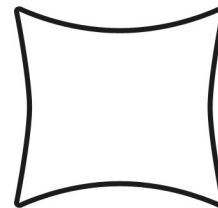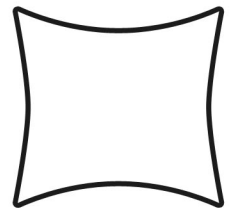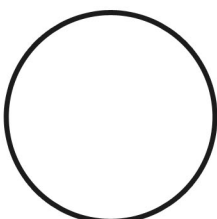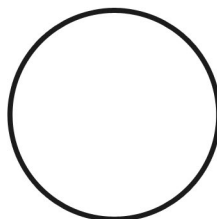
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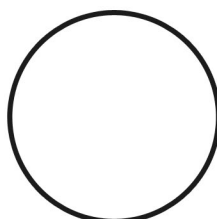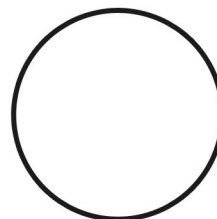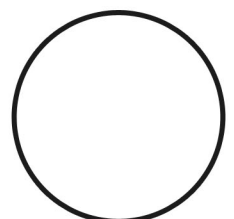
Writing Numbers to 10 000 000 in Words

Write the following numbers in words:

263 443	Two hundred and sixty three thousand, four hundred and forty three
516 283	
787 865	
3 883 091	
7 060 696	
10 000 000	
8 589 130	
1 645 099	
9 840 781	
5 709 118	

1 645 099	
9 840 781	
5 709 118	
7 112 098	
2 245 590	
9 390 519	
1 101 010	

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

We can think of big numbers being made up of smaller numbers squashed together. For example – the number 8 596 742 can be partitioned like this:

Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Units
8	0	0	0	0	0	0
	5	0	0	0	0	0
		9	0	0	0	0
			6	0	0	0
				7	0	0
					4	0
						2
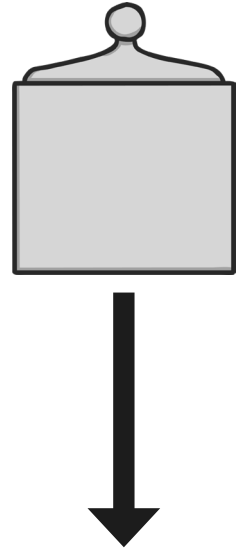
Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Units
8	5	9	6	7	4	2

Eight million five hundred and ninety six thousand, seven hundred and forty two.

A. For each of the following numbers can you identify what the underlined digit is actually worth? Use the place value chart to help you.

1. 80<u>2</u> 137 =

2. 3 <u>8</u>35 579 =

3. 4 027 <u>3</u>42 =

4. 5 <u>1</u>83 637 =

5. 5 5<u>9</u>3 356 =

6. <u>8</u> 502 872 =

7. 8 551 5<u>9</u>5 =

8. <u>9</u> 513 813 =

B. Can you squash these numbers together to make one number and then write the number in words? Use this place value chart and a rubber or draw your own place value chart to help you.

e.g. 10 000, 60, 5 000 000, 9, 400 000 = [5 410 069]

Five million four hundred and ten thousand and sixty nine

1. 7 + 8000 + 90 + 3 000 000 = [   ]

_____

2. 60 000 + 70 + 4 000 000 + 900 000 + 500 = [   ]

_____

3. 300 + 60 + 7 + 400 000 + 70 000 = [   ]

_____

4. 8 000 000 + 100 000 + 60 000 + 200 + 2 + 60 = [   ]

_____

5. 6 + 6 000 000 + 8000 = [   ]

_____

C. Challenge - Can you squash together some of these numbers to make the closest possible number to those listed below?

300	3 000 000		2	7 000 000
50	7000		20	900 000
10 000	6	4000	20 000	800	500 000

Number	Closest Possible Number I Can Make
540 789	
7 668 232	
3 917 433	

Round any Whole Number to a Required Degree of Accuracy Worksheet

A. For each of these numbers, fill out the table by rounding the original number to the required degree of accuracy.

Number	Rounded to Nearest Ten	Nearest Hundred	Nearest Thousand	Nearest Ten Thousand	Nearest Hundred Thousand	Nearest Million
5 658 485						
34 745 123						
56 830 879						
50 313						
776 927						
379 298 845						
4 448 529						
99 999 999						

B. The table below shows the results after some numbers have been input into a rounding machine. Can you write a number which **could** have been put in to the machine to achieve the output number?

Output	Function Selected	Possible Input
57 000	Round to nearest thousand	
1 000 000	Round to nearest million	
2 345 890	Round to the nearest ten	
6 450 000	Round to the nearest ten thousand	
77 200 000	Round to the nearest hundred thousand	
680 000 000	Round to the nearest ten million	