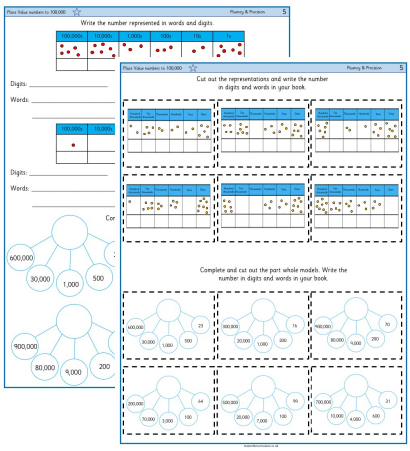
Lesson 3 – Numbers to 1,000,000 (R)

NC Objective:	Resources needed:	Vocabulary:
Read and write numbers to 1,000,000 and determine the value of each digit.	Differentiated Worksheets Teaching Slides	Place value grid, represent, place value grid, digits, number, part whole

Children read, write and represent numbers 1,000,000.They recognise larger numbers represented in different ways and when they are partitioned in unfamiliar ways.

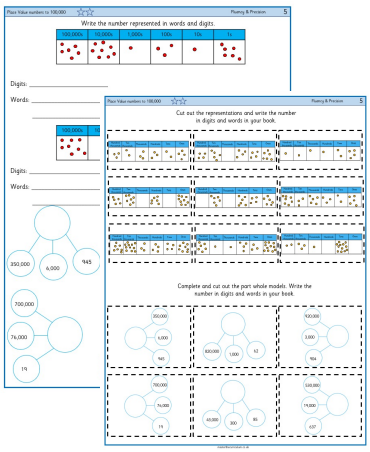
Key Questions:
If one million is the whole, what could the parts be? Can you show me 300,400 represented in three different ways? Can 239,600 be partitioned into 4 parts in a different way? Where do the commas fo in the numbers? How does the place value grid help represent large numbers? Which columns will change in value if you add ____ counters to the ones/tens/hundreds/ column?

★ Working Towards



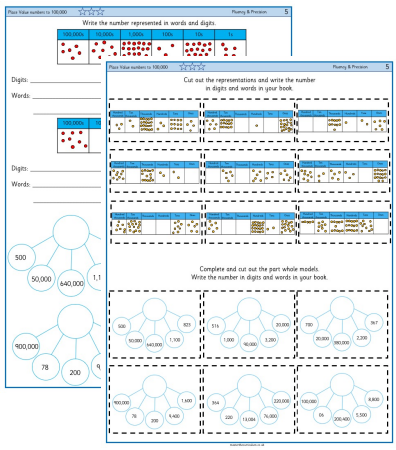
Children will write in digits and words numbers represented in place value charts and part-whole models.

★★ Working Within



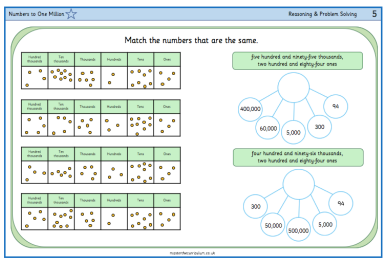
Children will write in digits and words numbers represented in place value charts and part-whole models with some “tricks” (empty cells, etc).

★★★ Greater Depth

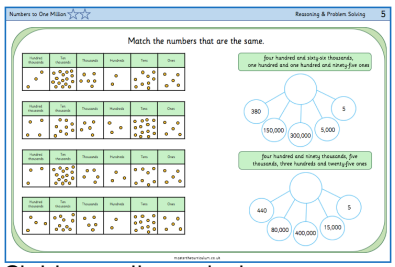


Children will write in digits and words numbers represented in place value charts and part-whole models with more “tricks”.

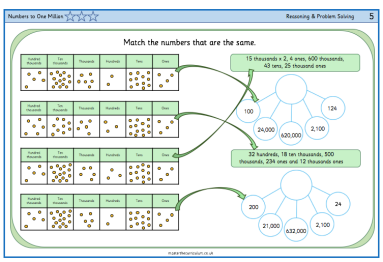
Reasoning & Problem Solving



Children will match the correspondence between the numbers represented in different ways. They have simple place value charts and part wholes.

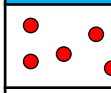
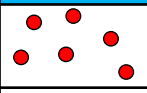
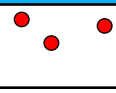
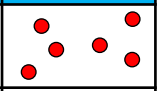


Children will match the correspondence between the numbers represented in different ways. They have more complicated place value charts and part wholes.



Children will match the correspondence between the numbers represented in different ways. They have complex place value charts and represented numbers.

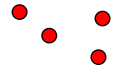
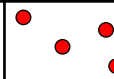
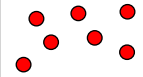
Write the number represented in words and digits.

100,000s	10,000s	1,000s	100s	10s	1s
					

Digits: _____

Words: _____

_____

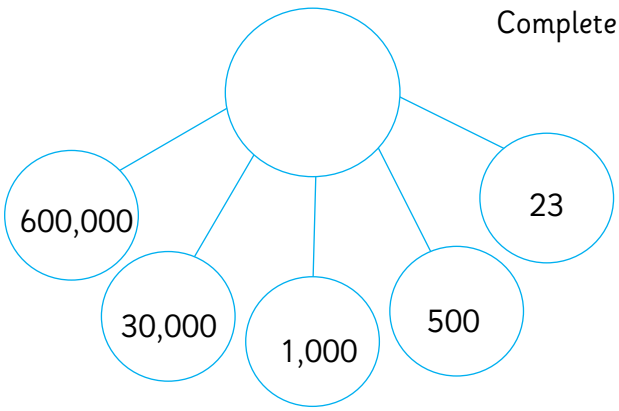
Thousands			Ones		
H	T	O	H	T	O
					

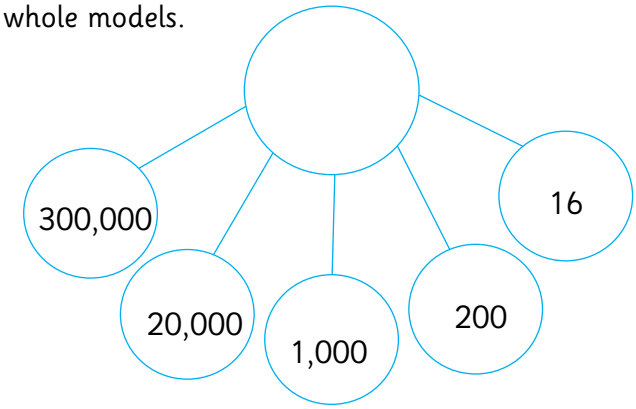
Digits: _____

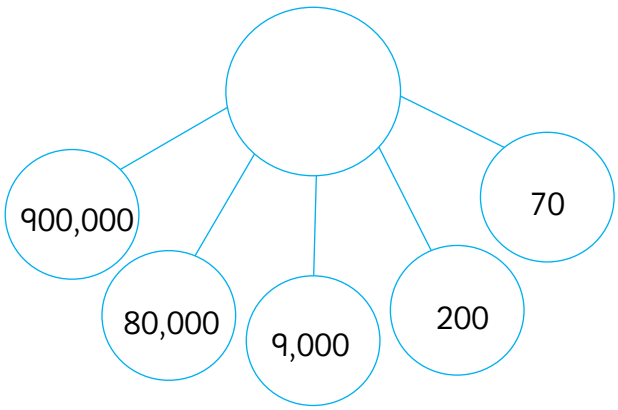
Words: _____

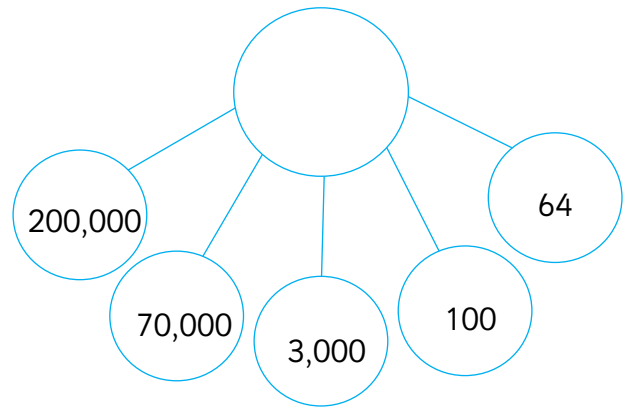
_____

Complete the part whole models.

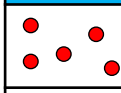
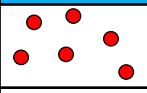
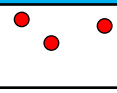
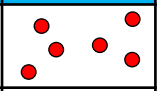






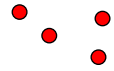
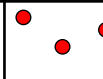
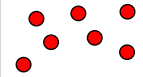


Write the number represented in words and digits.

100,000s	10,000s	1,000s	100s	10s	1s
					
5	6	3	3	2	6

Digits: 563,326

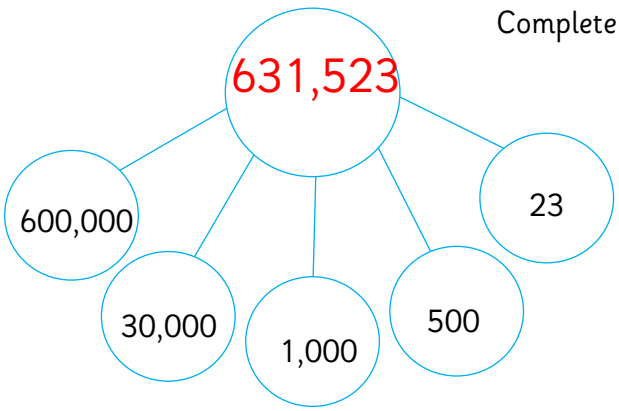
Words: five hundred and sixty three thousand, three hundred and twenty-six

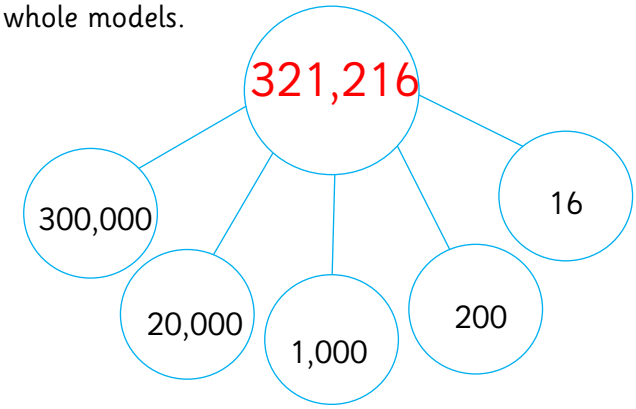
Thousands			Ones		
H	T	O	H	T	O
					
1	0	4	4	4	7

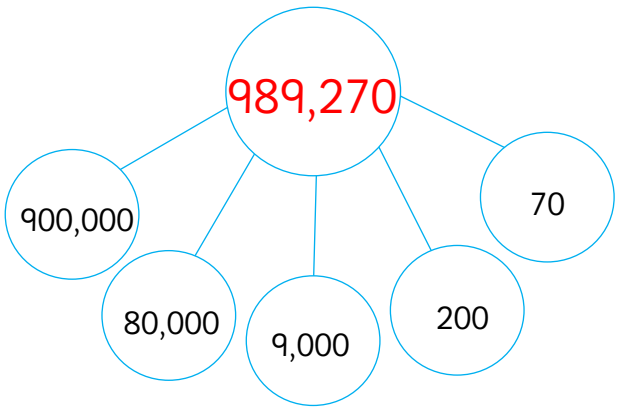
Digits: 104, 447

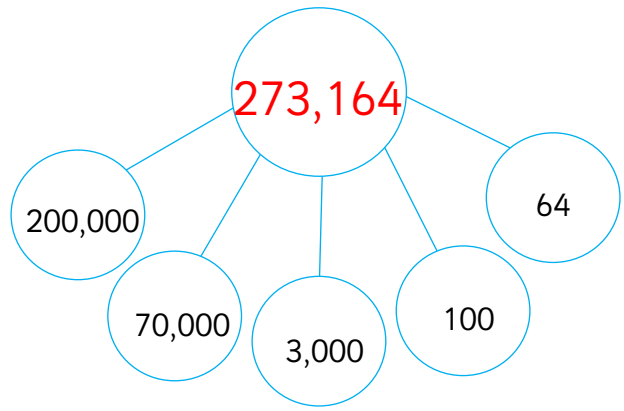
Words: one hundred and four thousand, four hundred and forty-seven

Complete the part whole models.

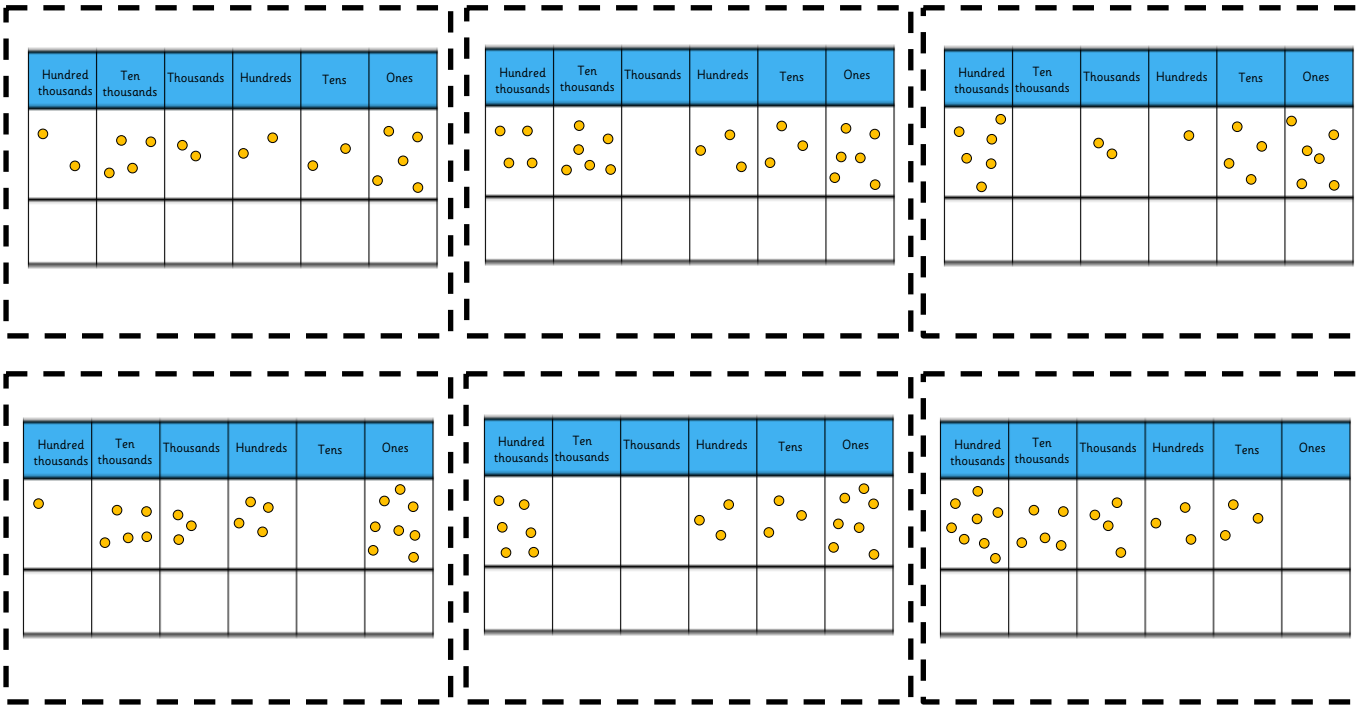




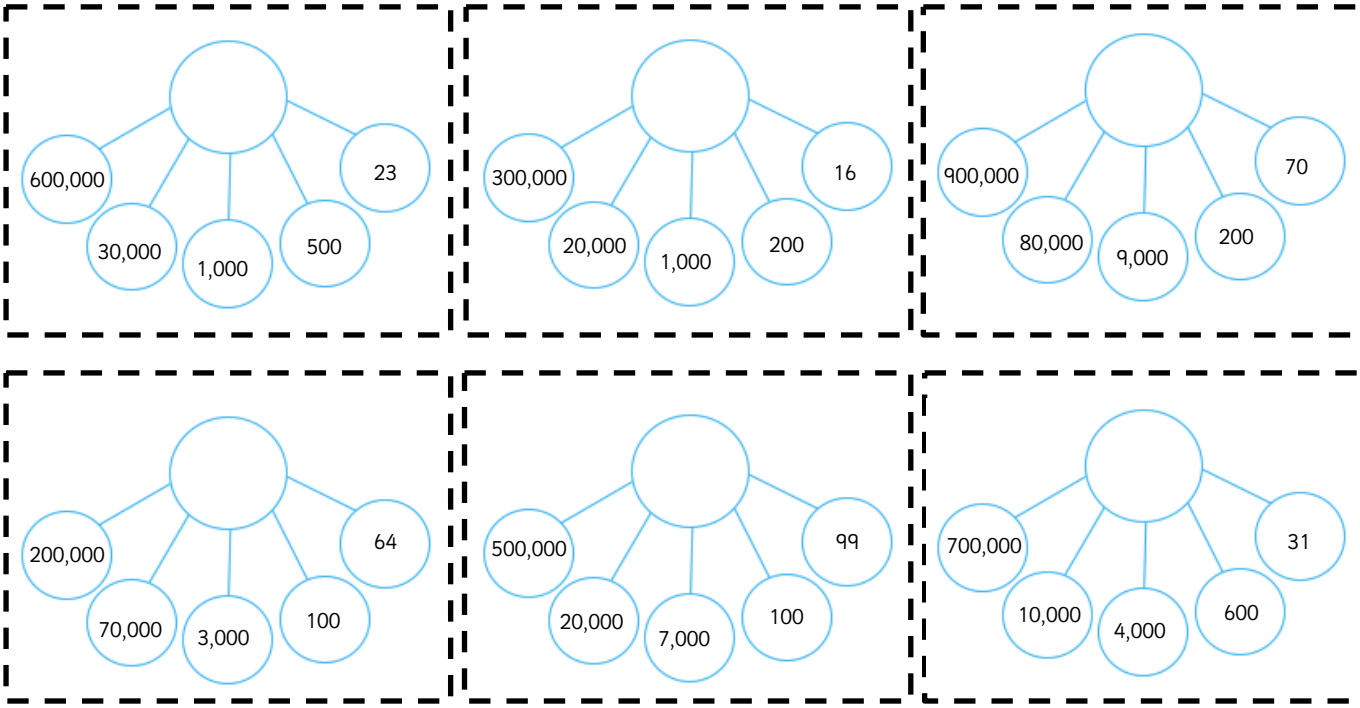




Cut out the representations and write the number in digits and words in your book.



Complete and cut out the part whole models. Write the number in digits and words in your book.



Cut out the representations and write the number in digits and words in your book.

242,225

Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
2	4	2	2	2	5

two hundred and forty two thousand, two hundred and twenty-five

460,336

Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
4	6	0	3	3	6

four hundred and sixty thousand, three hundred and thirty-six

602,146

Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
6	0	2	1	4	6

six hundred and two thousand, one hundred and forty-six

153,408

Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
1	5	3	4	0	8

one hundred and fifty three thousand, four hundred and eight

600,337

Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
6	0	0	3	3	7

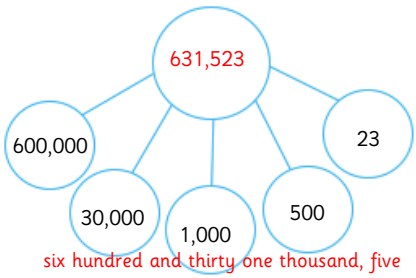
six hundred thousand, three hundred and thirty-seven

854,330

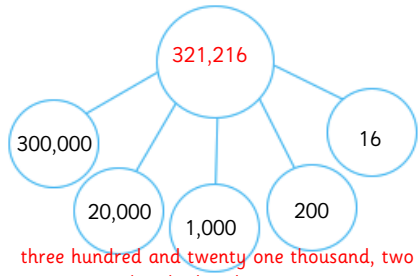
Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
8	5	4	3	3	0

eight hundred and fifty four thousand, three hundred and thirty

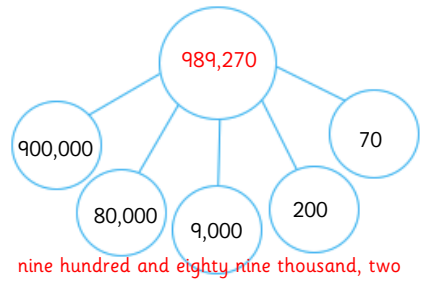
Complete and cut out the part whole models. Write the number in digits and words in your book.



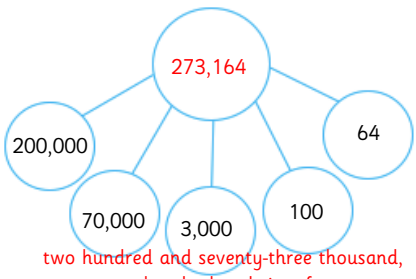
six hundred and thirty one thousand, five hundred and twenty-three



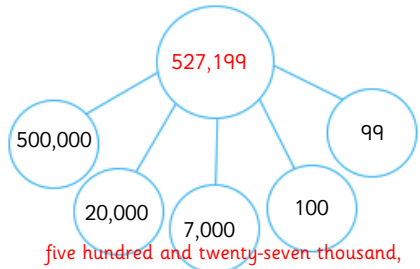
three hundred and twenty one thousand, two hundred and sixteen



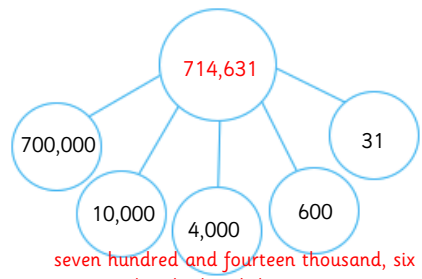
nine hundred and eighty nine thousand, two hundred and seventy



two hundred and seventy-three thousand, one hundred and sixty-four

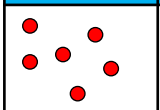
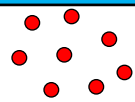
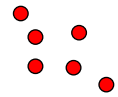


five hundred and twenty-seven thousand, one hundred and ninety-nine



seven hundred and fourteen thousand, six hundred and thirty-one

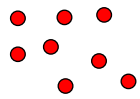
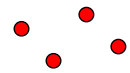
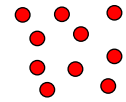
Write the number represented in words and digits.

100,000s	10,000s	1,000s	100s	10s	1s
					

Digits: _____

Words: _____

_____

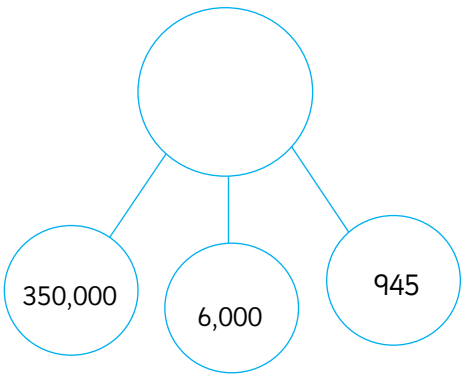
Thousands			Ones		
H	T	O	H	T	O
					

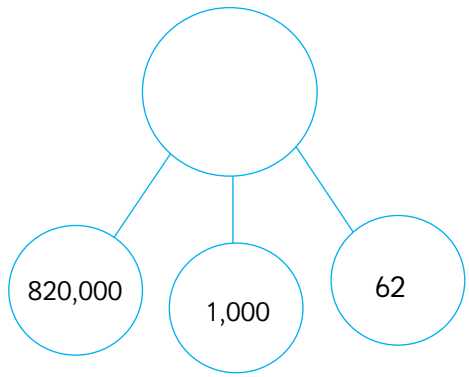
Digits: _____

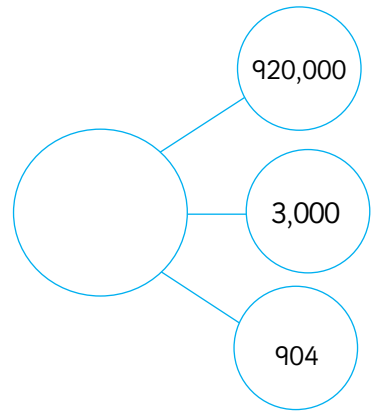
Words: _____

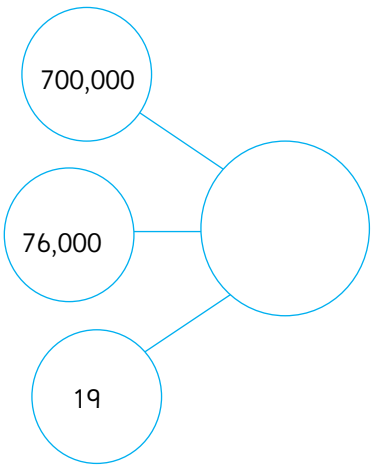
_____

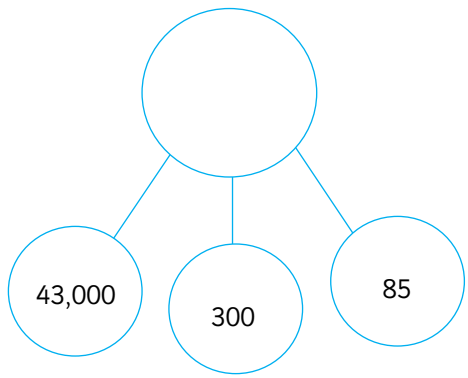
Complete the part whole models.

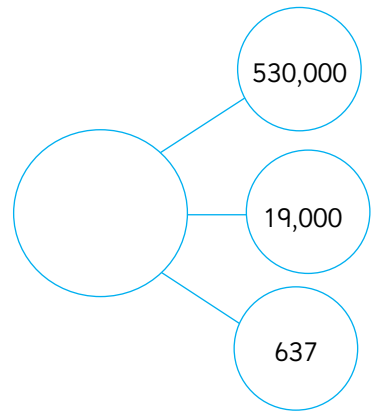




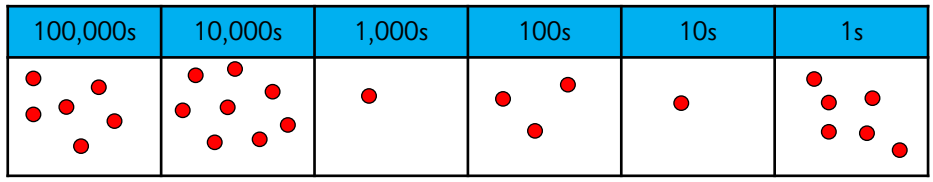






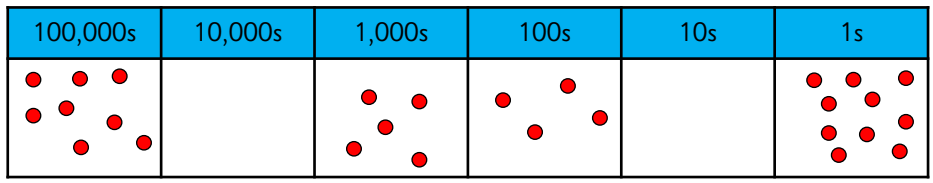


Write the number represented in words and digits.



Digits: 681,316

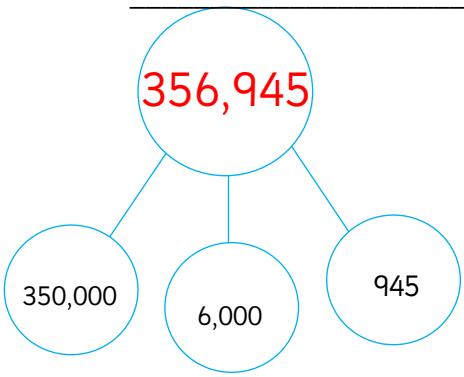
Words: six hundred and eighty-one thousand, three hundred and sixteen

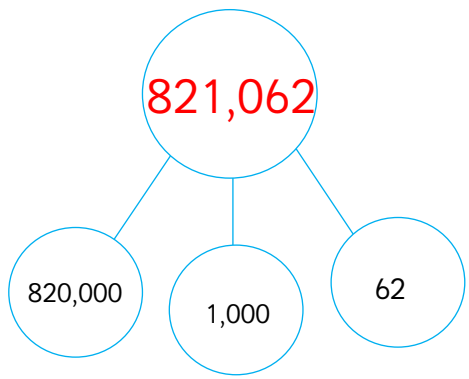


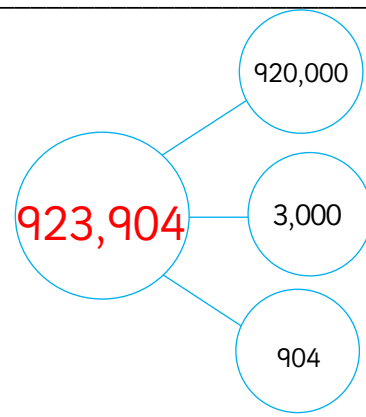
Digits: 805, 410

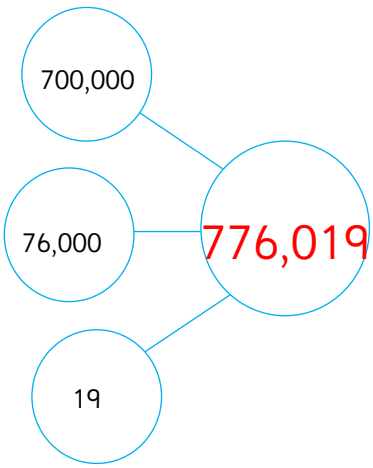
Words: eight hundred and five thousand, four hundred and ten

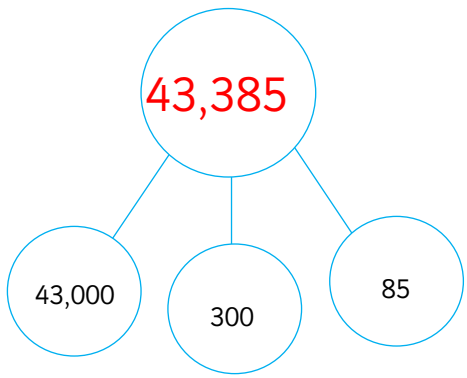
Complete the part whole models.

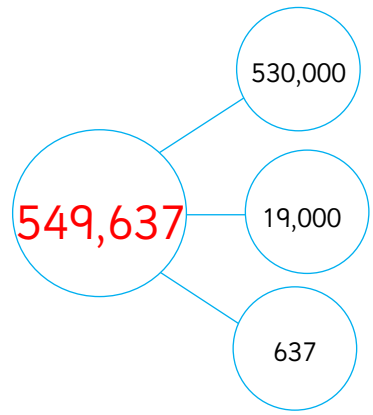




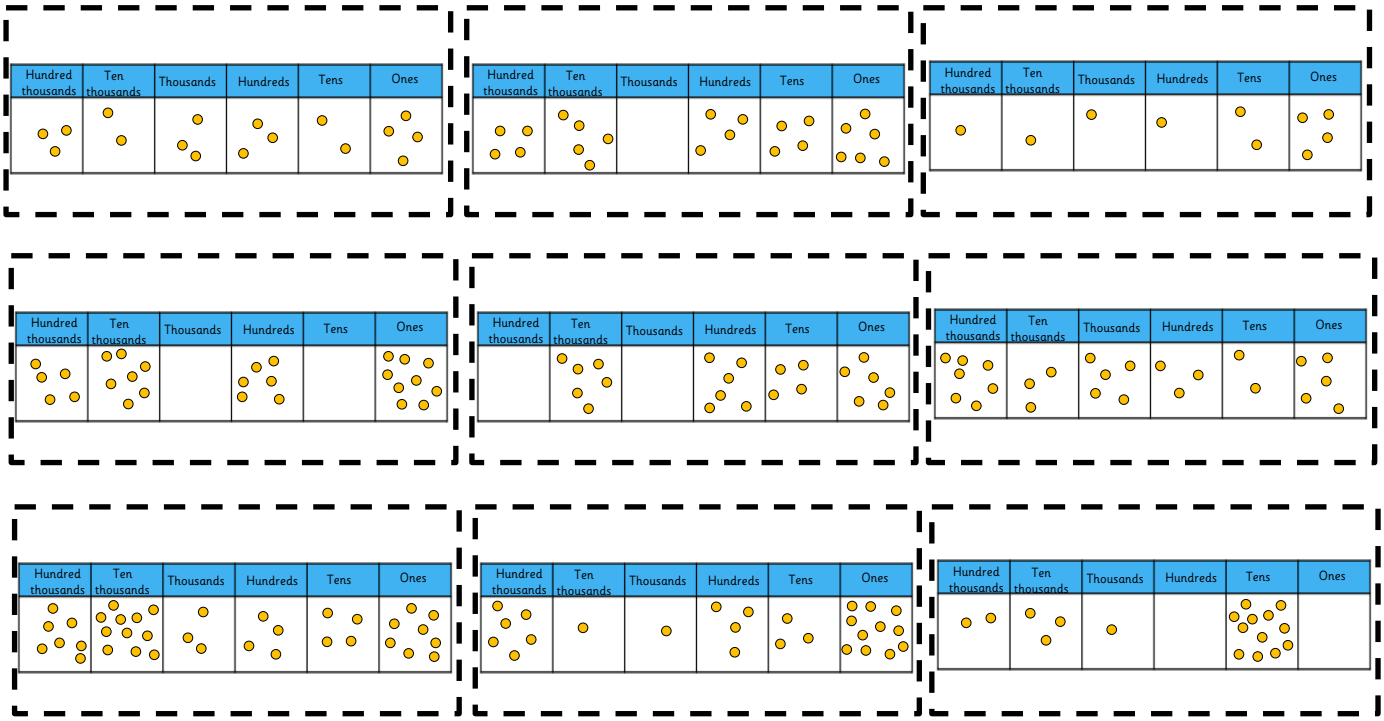




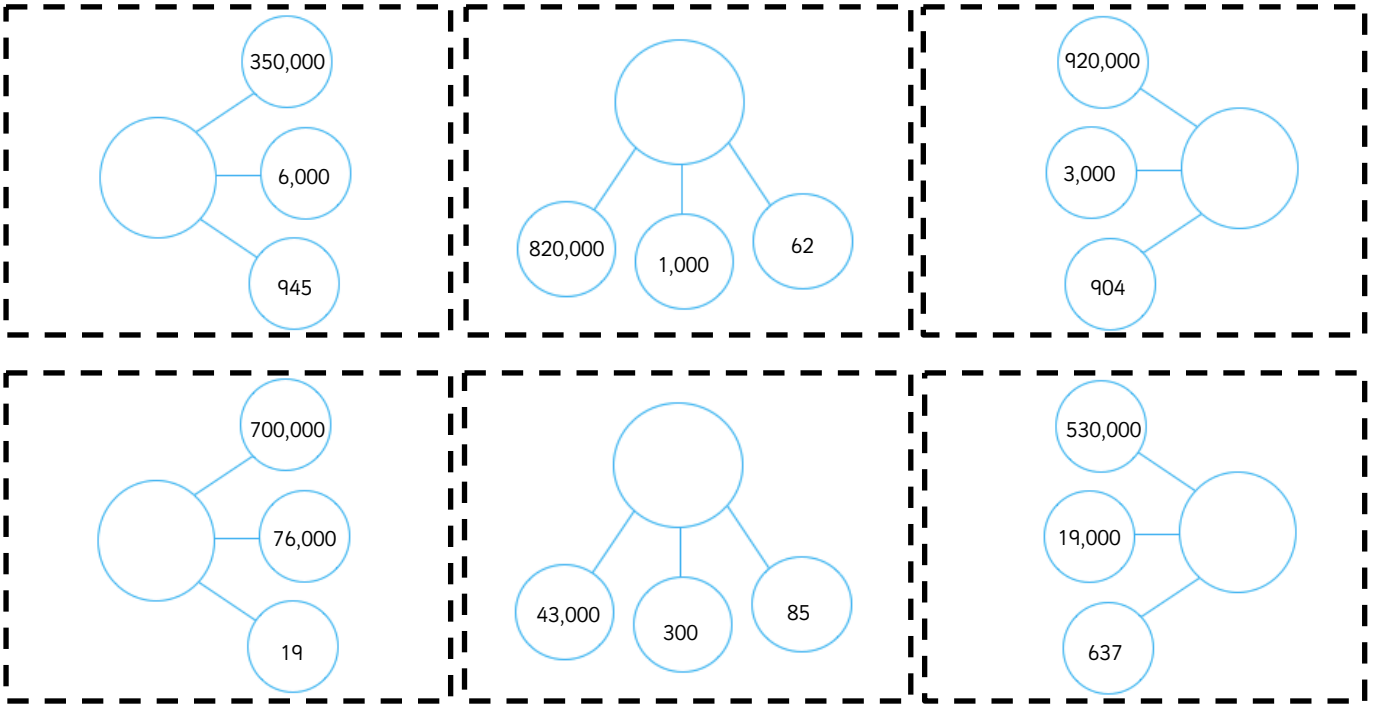




Cut out the representations and write the number in digits and words in your book.



Complete and cut out the part whole models. Write the number in digits and words in your book.



Cut out the representations and write the number in digits and words in your book.

three hundred and twenty-three thousand, three hundred and twenty-four

Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
	●	●	●	●	● ● ● ●

323,324

four hundred and fifty thousand, four hundred and forty-six

Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
● ●	● ●		●	●	● ● ● ● ● ●

450,446

one hundred and eleven thousand, one hundred and twenty-four

Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
●	●	●	●	●	● ● ● ●

111,124

five hundred and seventy thousand, six hundred and nine

Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
● ●	● ● ●		● ●		● ● ● ● ● ● ● ● ●

570,609

sixty thousand, six hundred and forty-six

Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
	● ● ●		● ● ● ●	● ●	● ● ● ● ● ●

60,646

seven hundred and thirty-five thousand, three hundred and twenty-five

Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
● ● ●	● ● ●	● ● ●	● ● ●	● ●	● ● ● ● ●

735,325

eight hundred and thirteen thousand, four hundred and forty-eight

Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
● ● ●	● ● ● ● ●	●	● ●	● ●	● ● ● ● ● ● ● ●

813,448

six hundred and eleven thousand, four hundred and forty-one

Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
● ● ●	●	●	● ● ● ●	● ●	● ● ● ● ●

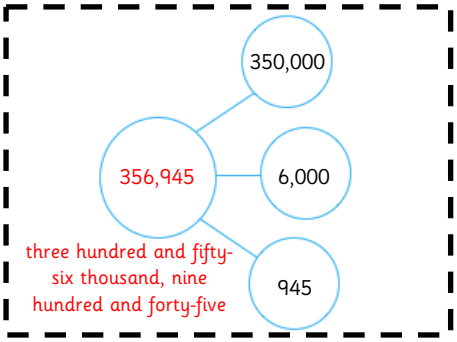
611,441

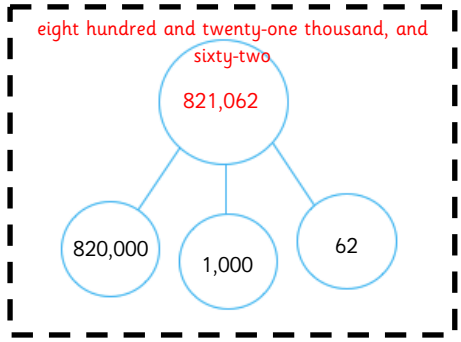
two hundred and thirty-one thousand, one hundred and twenty

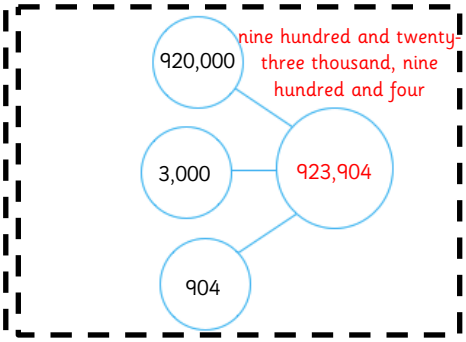
Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
● ●	● ●	●		● ● ● ● ●	

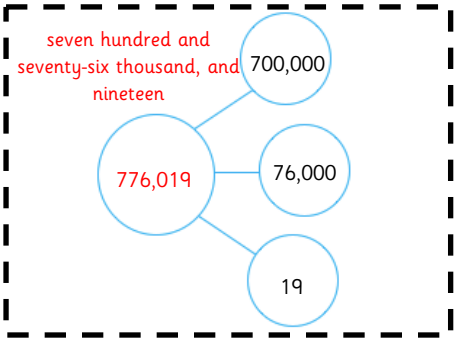
231,120

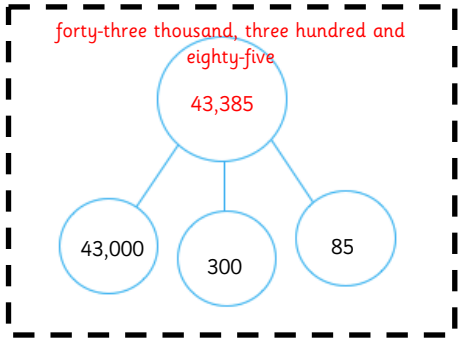
Complete and cut out the part whole models. Write the number in digits and words in your book.

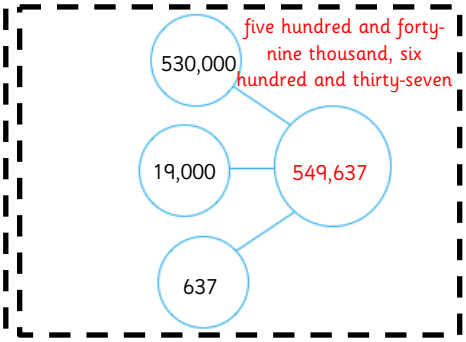




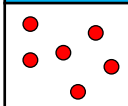
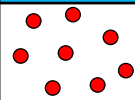
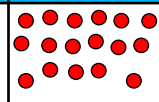
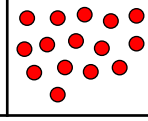
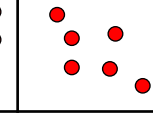








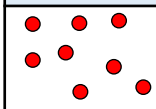
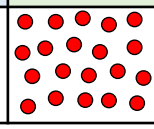
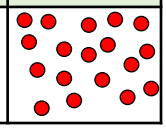
Write the number represented in words and digits.

100,000s	10,000s	1,000s	100s	10s	1s
					

Digits: _____

Words: _____

_____

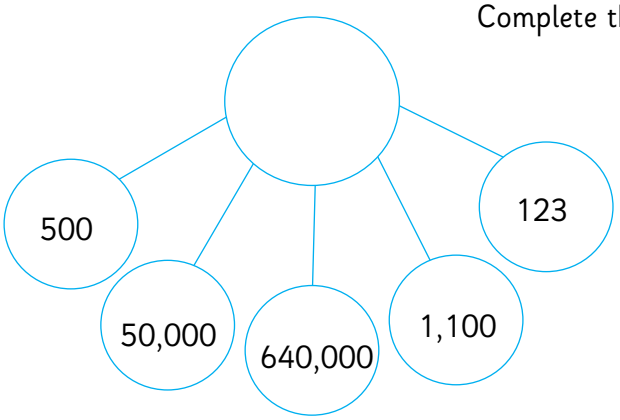
Thousands			Ones		
H	T	O	H	T	O
					

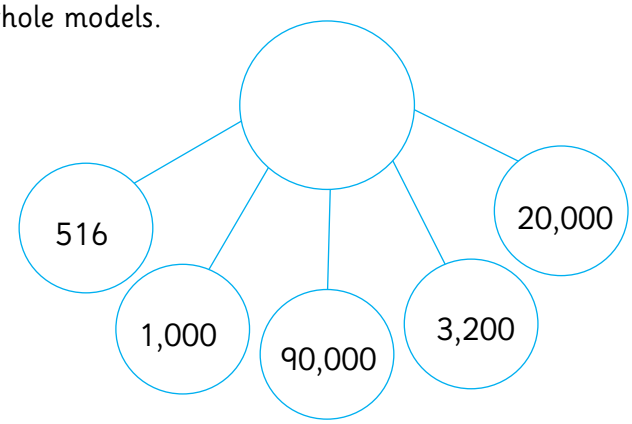
Digits: _____

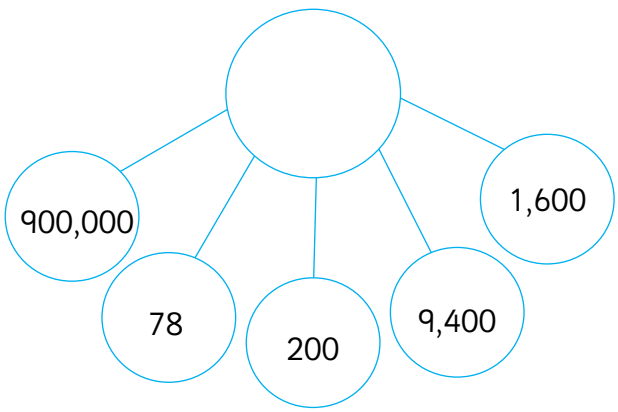
Words: _____

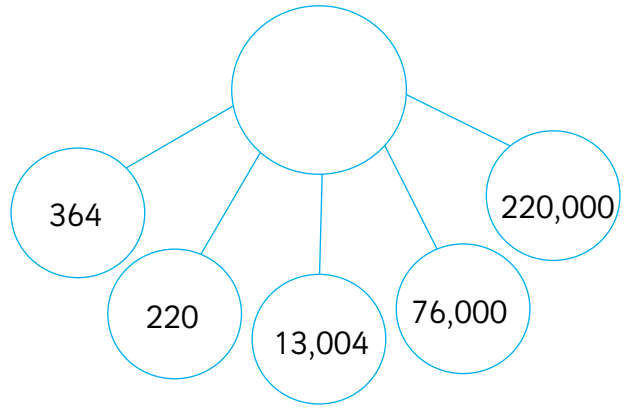
_____

Complete the part whole models.

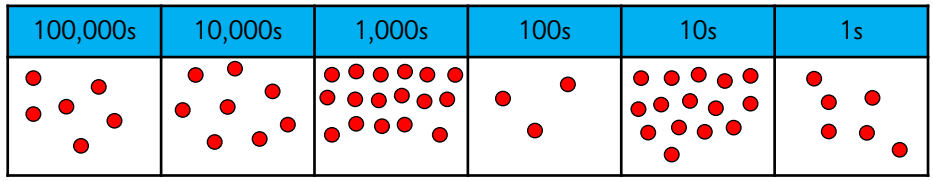






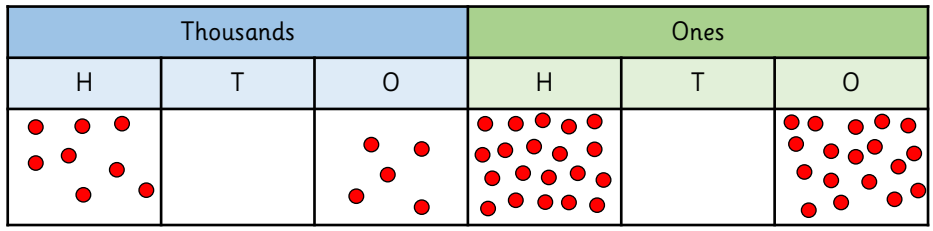


Write the number represented in words and digits.



Digits: 697,456

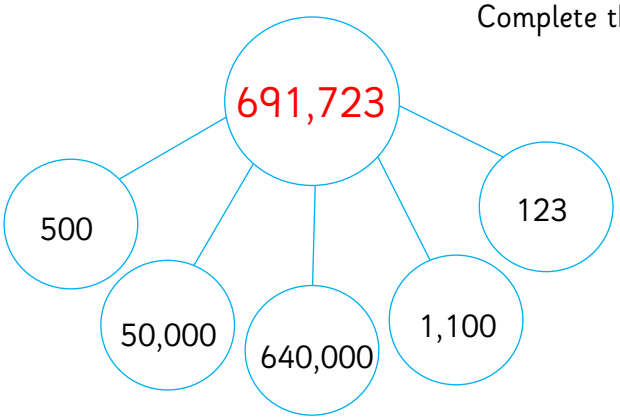
Words: six hundred and ninety-seven thousand, four hundred and fifty-six

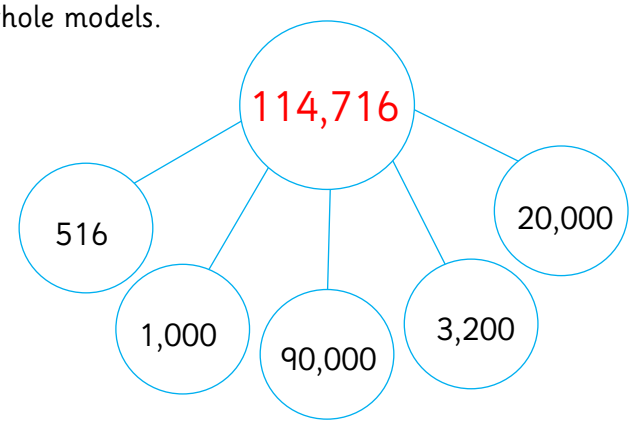


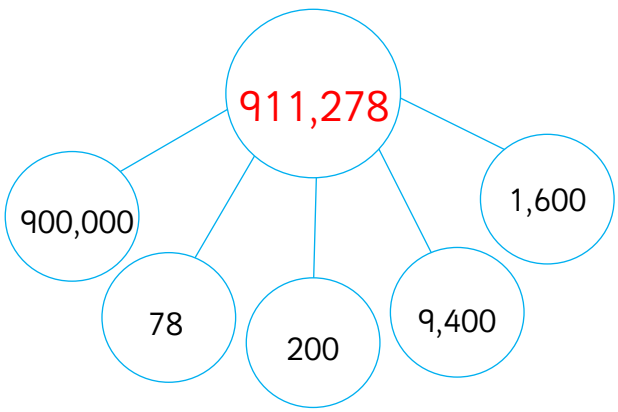
Digits: 807,018

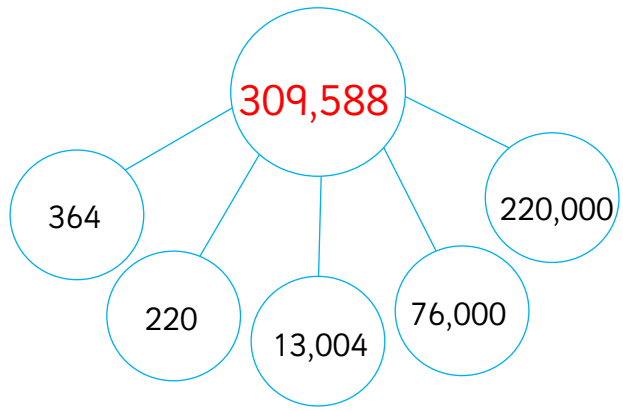
Words: eight hundred and seven thousand and eighteen

Complete the part whole models.

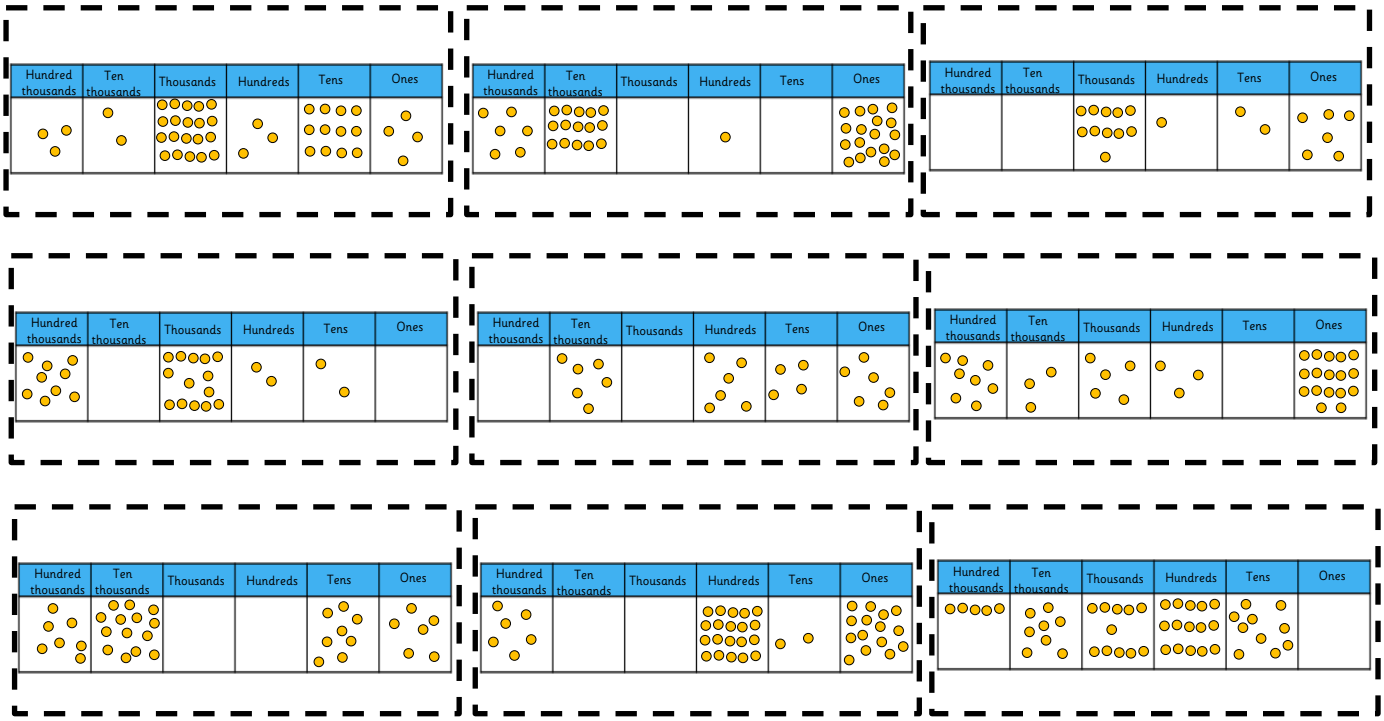




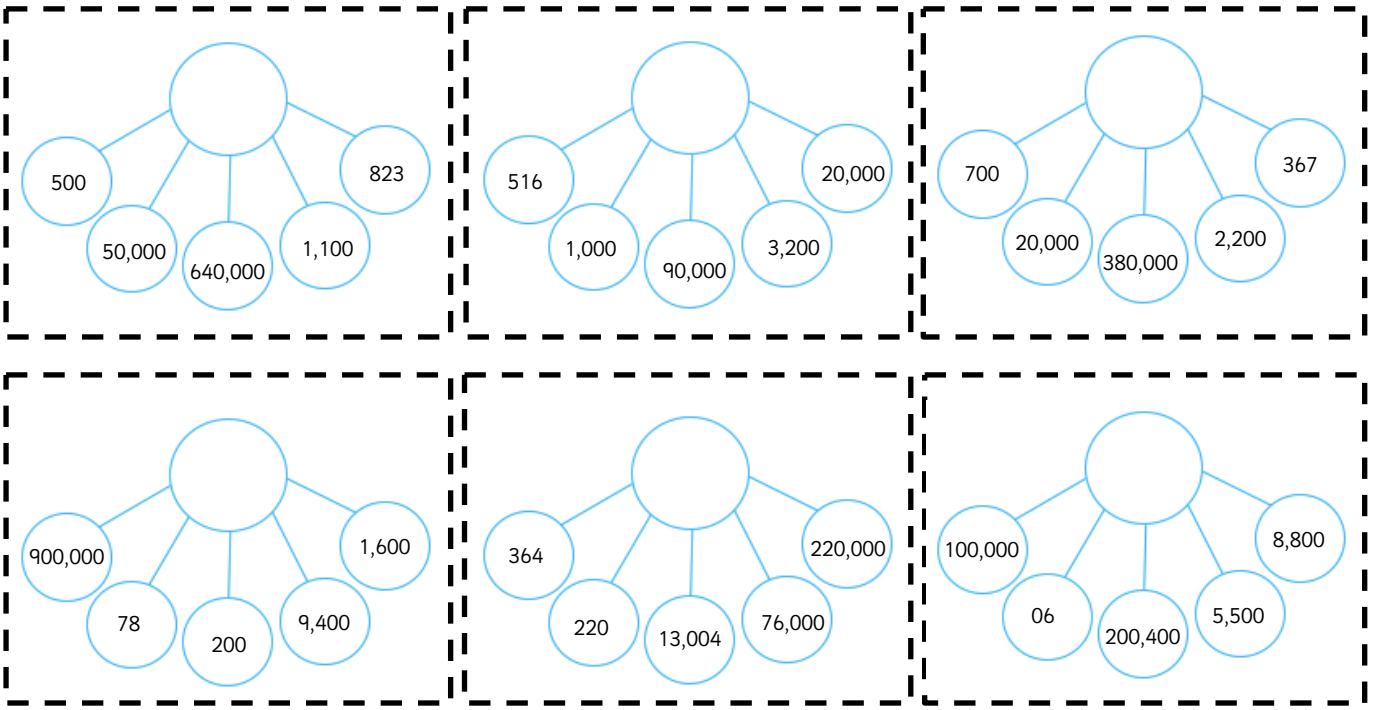




Cut out the representations and write the number in digits and words in your book.

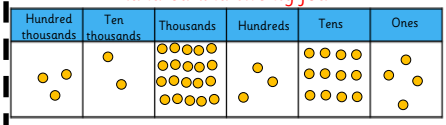


Complete and cut out the part whole models.
Write the number in digits and words in your book.



Cut out the representations and write the number in digits and words in your book.

three hundred and forty thousand, four hundred and twenty-four

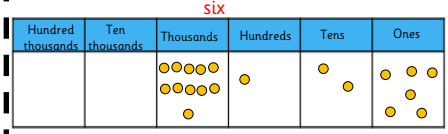


340,424

seven hundred and fifty thousand, one hundred and eighteen

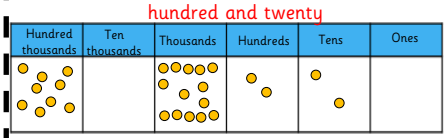
750,118

eleven thousand, one hundred and twenty-six



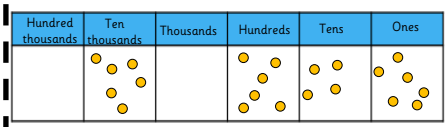
11,126

nine hundred and fourteen thousand, two hundred and twenty



914,220

sixty thousand, six hundred and forty-six

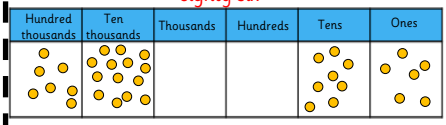


60,646

eight hundred and thirty-five thousand, three hundred and seventeen

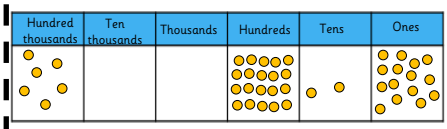
835,317

eight hundred and forty thousand, and eighty-six



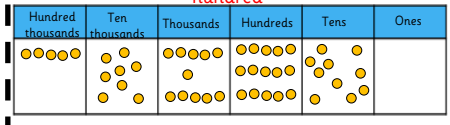
840,086

six hundred and two thousand, and thirty-five



602,035

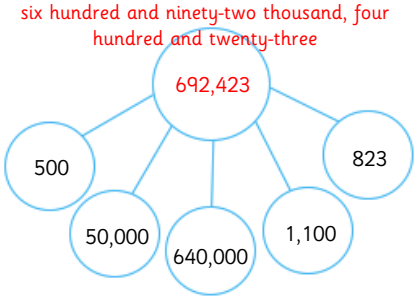
five hundred and ninety-two thousand, and six hundred



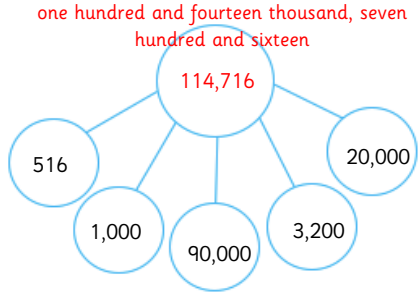
592,600

Complete and cut out the part whole models. Write the number in digits and words in your book.

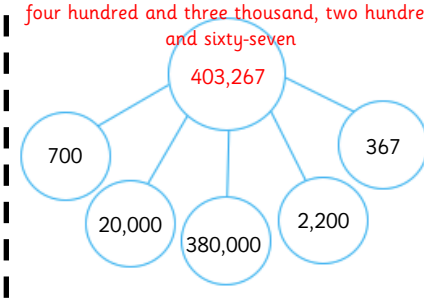
six hundred and ninety-two thousand, four hundred and twenty-three



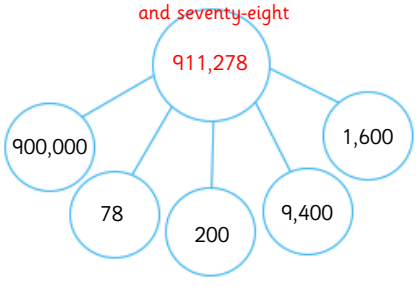
one hundred and fourteen thousand, seven hundred and sixteen



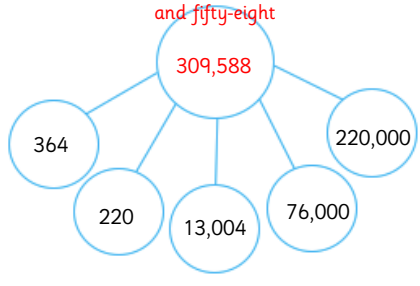
four hundred and three thousand, two hundred and sixty-seven



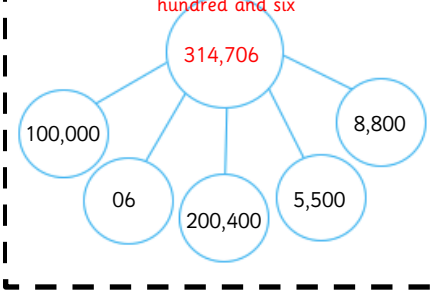
nine hundred and eleven thousand, two hundred and seventy-eight



three hundred and nine thousand, five hundred and fifty-eight



three hundred and fourteen thousand, seven hundred and six



Match the numbers that are the same.

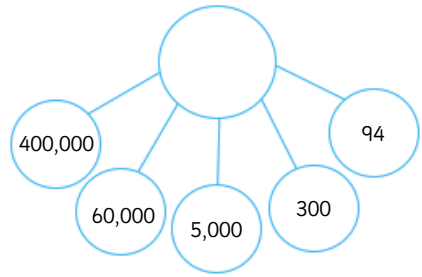
Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones

Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones

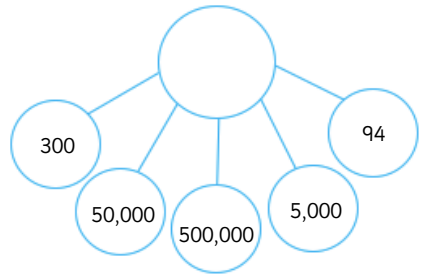
Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones

Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones

five hundred and ninety-five thousands, two hundred and eighty-four ones



four hundred and ninety-six thousands, two hundred and eighty-four ones



Numbers to One Million ☆ Reasoning & Problem Solving 5

Match the numbers that are the same.

Hundred thousands | Ten thousands | Thousands | Hundreds | Tens | Ones

five hundred and ninety-five thousands, two hundred and eighty-four ones

four hundred and ninety-six thousands, two hundred and eighty-four ones

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Match the numbers that are the same.

Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones

496,284

Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones

555,394

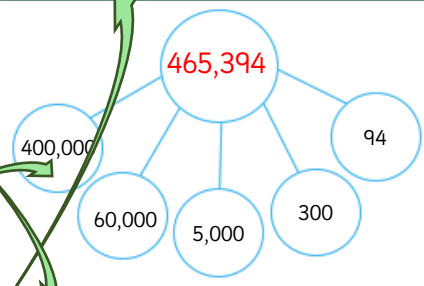
Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones

465,394

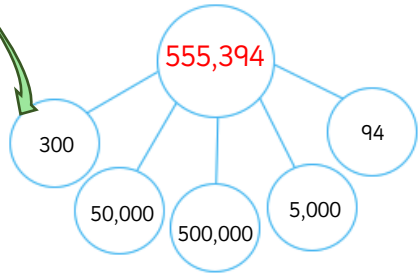
Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones

595,284

five hundred and ninety-five thousands, two hundred and eighty-four ones



four hundred and ninety-six thousands, two hundred and eighty-four ones



Numbers to One Million ☆ Answers Reasoning & Problem Solving 5

Match the numbers that are the same.

Hundred thousands | Ten thousands | Thousands | Hundreds | Tens | Ones

496,284

555,394

465,394

595,284

five hundred and ninety-five thousands, two hundred and eighty-four ones

465,394 | 400,000 | 94 | 60,000 | 5,000 | 300

four hundred and ninety-six thousands, two hundred and eighty-four ones

555,394 | 300 | 94 | 50,000 | 500,000 | 5,000

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Match the numbers that are the same.

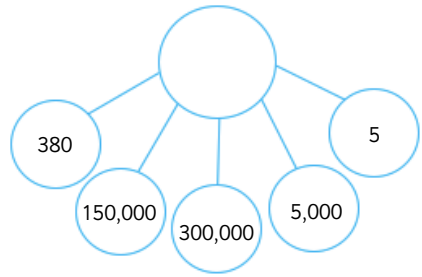
Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones

Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones

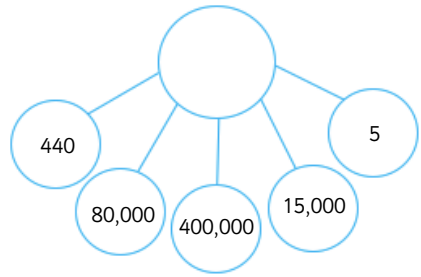
Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones

Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones

four hundred and sixty-six thousands, one hundred and one hundred and ninety-five ones

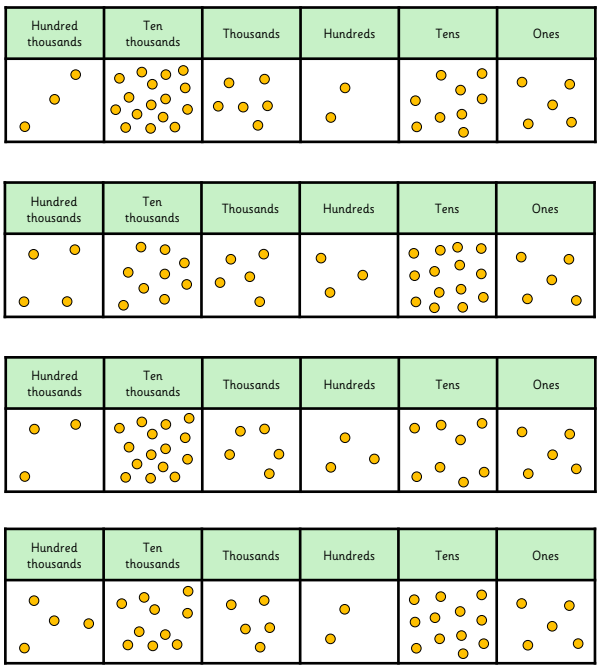


four hundred and ninety thousands, five thousands, three hundreds and twenty-five ones

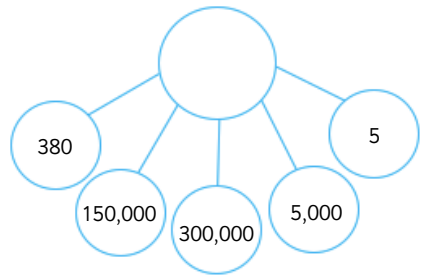


Numbers to One Million ☆☆ Reasoning & Problem Solving 5

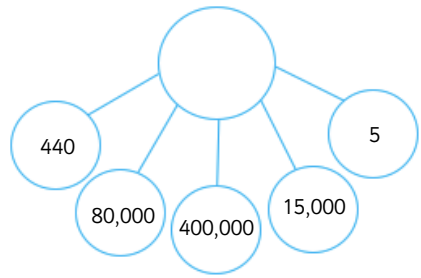
Match the numbers that are the same.



four hundred and sixty-six thousands, one hundred and one hundred and ninety-five ones



four hundred and ninety thousands, five thousands, three hundreds and twenty-five ones



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Match the numbers that are the same.

Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones

466,295

Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones

495,445

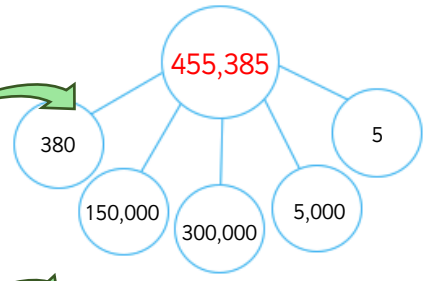
Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones

455,385

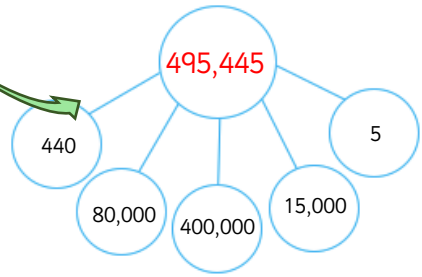
Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones

495,325

four hundred and sixty-six thousands, one hundred and one hundred and ninety-five ones



four hundred and ninety thousands, five thousands, three hundreds and twenty-five ones



Numbers to One Million ☆☆ Answers Reasoning & Problem Solving 5

Match the numbers that are the same.

Hundred thousands | Ten thousands | Thousands | Hundreds | Tens | Ones

466,295

Hundred thousands | Ten thousands | Thousands | Hundreds | Tens | Ones

495,445

Hundred thousands | Ten thousands | Thousands | Hundreds | Tens | Ones

455,385

Hundred thousands | Ten thousands | Thousands | Hundreds | Tens | Ones

495,325

four hundred and sixty-six thousands, one hundred and one hundred and ninety-five ones

455,385
380
5
150,000
300,000
5,000

four hundred and ninety thousands, five thousands, three hundreds and twenty-five ones

495,445
440
5
80,000
400,000
15,000

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Match the numbers that are the same.

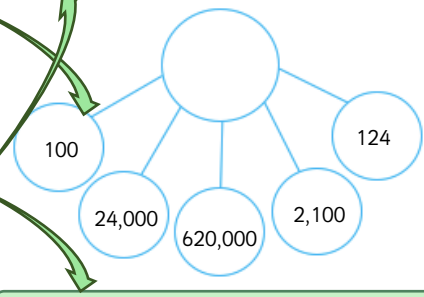
Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones

Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones

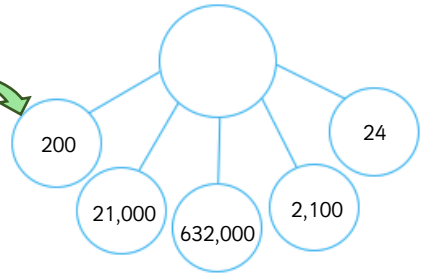
Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones

Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones

15 thousands x 2, 4 ones, 600 thousands, 43 tens, 25 thousand ones



32 hundreds, 18 ten thousands, 500 thousands, 234 ones and 12 thousands ones



Numbers to One Million ☆☆☆ Reasoning & Problem Solving 5

Match the numbers that are the same.

Hundred thousands | Ten thousands | Thousands | Hundreds | Tens | Ones

Hundred thousands | Ten thousands | Thousands | Hundreds | Tens | Ones

Hundred thousands | Ten thousands | Thousands | Hundreds | Tens | Ones

Hundred thousands | Ten thousands | Thousands | Hundreds | Tens | Ones

15 thousands x 2, 4 ones, 600 thousands, 43 tens, 25 thousand ones

100 124 24,000 620,000 2,100

32 hundreds, 18 ten thousands, 500 thousands, 234 ones and 12 thousands ones

200 24 21,000 632,000 2,100

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Match the numbers that are the same.

Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
●	●●	●		●●	●

646,324

Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
●	●	●		●●	●

695,434

Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
●	●●	●		●●	●

655,434

Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
●	●●	●		●●	●

655,324

655,324

15 thousands x 2, 4 ones, 600 thousands, 43 tens, 25 thousand ones

646,324

100 | 124 | 24,000 | 620,000 | 2,100

695,434

32 hundreds, 18 ten thousands, 500 thousands, 234 ones and 12 thousands ones

655,324

200 | 24 | 21,000 | 632,000 | 2,100

Numbers to One Million ☆☆☆ Answers Reasoning & Problem Solving 5

Match the numbers that are the same.

Hundred thousands | Ten thousands | Thousands | Hundreds | Tens | Ones

646,324

695,434

655,434

655,324

655,324

15 thousands x 2, 4 ones, 600 thousands, 43 tens, 25 thousand ones

646,324

100 | 124 | 24,000 | 620,000 | 2,100

695,434

32 hundreds, 18 ten thousands, 500 thousands, 234 ones and 12 thousands ones

655,324

200 | 24 | 21,000 | 632,000 | 2,100

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