

To be able to represent numbers up to ten million **MathShed**

Starter:
Which one doesn't belong?

1,000,000
1,000

one million and one thousand

Explain your answer.

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Activity 1:
Write each amount in numerals beneath its place value chart.

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Activity 2:
What is the value of the underlined digit in each number?

5,505 =

5,555 =

555,505 =

5,050,000 =

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Activity 3:
Write the following numbers in their worded form.

Example:
4,444,444 = four million, four hundred and forty-four thousand, four hundred and forty-four

a) 4,705 =
b) 47,050 =
c) 405,075 =
d) 4,557,507 =

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Activity 4:
Complete the part-whole models and number sentences below.

a)

b)

c) $56,400 = 50,000 + 6,000 + \underline{\hspace{1cm}}$
d) $105,460 = 100,000 + \underline{\hspace{1cm}} + 400 + \underline{\hspace{1cm}}$
e) $\underline{\hspace{1cm}} = 500,000 + 10,000 + 600 + 4$

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Activity 5:
Yasmin is describing the number 3,456,789.
She says, "It has the digit 3 in the millions place, each digit increase by one as we move down to the ones place. So, there is a 4 in the hundred thousands column, 5 in the ten thousands column, 6 in the thousands column, 7 in the hundreds column, 8 in the tens column and 9 in the ones column."

Write your own description for 8,765,432.

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Evaluation:

Write some five-digit numbers with the digit 7 in the thousands column.

What is the largest possible number you can make?

What is the smallest possible number you can make?

How many numbers can you make with a digital total of 35?