

To be able to read, represent and write numbers up to 100,000

**MathShed**

**Starter:**  
Which one doesn't belong?

one thousand,  
two hundred and forty-five

**MCCXXXIV**

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**Activity 1:**  
A number is represented in the place value chart below.

10,000s	1,000s	100s	10s	1s
2	2	1	4	5

Writing in numerals and words...

What is the number +1?  
What is the number -10?  
What is the number +1,000?  
What is the number -10,000?

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**Activity 2:**  
Complete the grid below.

counters	part-whole model
<b>53,061</b>	
number line	bar model

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**Activity 3:**  
Complete the number sentences below.

$67,000 = 60,000 + \square$

$\square = 20,000 + 3,200 + 370$

$86,590 = \square + 1,300 + \square$

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**Activity 4:**  
Below are three ways of partitioning 45,670.

45 thousands, 6 hundreds and 7 tens.  
456 hundreds and 7 tens.  
4 ten thousand, 56 hundreds and 7 tens.

Think of three more ways.

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**Activity 5:**  
I have been counting backward and forwards from 0 in 25s.  
Underline the numbers I would say out loud.

<u>75</u>	<u>-2,775</u>	<u>-125</u>
<u>777</u>	<u>22,250</u>	<u>55</u>
<u>-4,040</u>	<u>1,225</u>	<u>5,750</u>

Explain why I wouldn't say the non-underlined numbers.

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Evaluation:

I placed 3,410, 3,550 and 3,700 on the number line to my right. How did I do?



Can you spot Astrobee's mistakes?  
What would you do to correct the mistakes?