TEACHER: Model the two kinds of expanded form for your students.

1. Write each number in expanded form. (numerals and words).

   Example:

   
   

   \[ \_1 \text{ thousands} + \_2 \text{ hundreds} + \_3 \text{ tens} + \_3 \text{ ones} = 1\,233 \]

a) 

   

   \[ \_\_ \text{ thousands} + \_\_ \text{ hundreds} + \_\_ \text{ tens} + \_\_ \text{ ones} = \_\_\_\_ \]

b) 

   

   \[ \_\_ \text{ thousands} + \_\_ \text{ hundreds} + \_\_ \text{ tens} + \_\_ \text{ ones} = \_\_\_\_ \]

c) 

   

   \[ \_\_ \text{ thousands} + \_\_ \text{ hundreds} + \_\_ \text{ tens} + \_\_ \text{ ones} = \_\_\_\_ \]
2. Represent the given numbers with the base ten blocks in the place value chart. The first one has been started for you.

<table>
<thead>
<tr>
<th>Number</th>
<th>Thousands</th>
<th>Hundreds</th>
<th>Tens</th>
<th>Ones</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) 3468</td>
<td>[Diagram]</td>
<td>[Diagram]</td>
<td></td>
<td></td>
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<tr>
<td>b) 1542</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>c) 2609</td>
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</tbody>
</table>

3. Write the numbers for the given base ten blocks.

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</table>
1. Expand the following numbers using **numerals** and **words**. The first one is done for you.
   
   a) 2 536 784  =  _2_ millions +  _5_ hundred thousands +  _3_ ten thousands +  _6_ thousands  
       +  _7_ hundreds +  _8_ tens +  _4_ ones
   
   b) 6 235 401  =  
      
   c) 3 056 206  =  
      

2. Write the number in expanded form (using **numerals**). The first one is done for you.
   
   a) 72 613  =  _70 000 + 2 000 + 600 + 10 + 3_  
      
   b) 36  =  
      
   c) 526  =  
      
   d) 12 052  =  
      
   e) 2 382  =  
      
   f) 56 384  =  
      
   g) 3 082 385  =  
      

3. Write the number for each sum.
   
   a) 6 000 + 700 + 40 + 7 =  _____  
      
   b) 800 + 60 + 8 =  _____  
      
   c) 3 000 + 30 + 2 =  _____  
      
   d) 50 000 + 6 000 + 400 + 90 + 3 =  _____  
      
   e) 10 000 + 6 000 + 200 + 30 + 4 =  _____  
      
   f) 30 000 + 2 000 + 500 =  _____  
      
   g) 90 000 + 3 000 + 600 + 7 =  _____  
      

**BONUS**
   
   h) 300 000 + 2 000 000 + 5 + 70 000 + 200 =  
      

4. Find the missing numbers.
   
   a) 2 000 + 600 +  _____  + 5 = 2 645  
      b) 4 000 + 200 +  _____  + 5 = 4 285  
      
   c) 40 000 + 3 000 +  _____  + 10 + 5 = 43 715  
      d) 80 000 + 5 000 +  _____  + 60 + 3 = 85 263  
      
   e) 20 000 + 6 000 + 300 +  _____  = 26 302  
      f)  _____  + 400 = 9 400  
      
   g) 6 000 +  _____  = 6 080  
      h) 80 000 +  _____  +  _____  = 87 005  
      
   i) 300 000 + 90 000 +  _____  +  _____  = 390 702
5. Write each number in expanded form. Then draw a base ten model.

*Example:* \( 3152 = 3000 + 100 + 50 + 2 \)

a) \( 4354 = \)  

b) \( 2604 = \) 

6. Represent the number 8564 in four different ways – by sketching a base ten model, with number words, and in expanded form (2 ways).

*Example:* 234 – Two hundred thirty-four

\[ 234 = 2 \text{ hundreds} + 3 \text{ tens} + 4 \text{ ones} \quad \text{expanded form (using number words)} \]

\[ 234 = 200 + 30 + 4 \quad \text{expanded form (using numerals)} \]

7. In the number 38562, what is the sum of the tens digit and the thousands digit?

8. How many two-digit numbers have digits that add to twelve?

9. Using 5 blocks make (or draw) a model of a number such that...
   - The number is odd
   - There are twice as many thousands blocks as hundreds blocks

10. How many thousands blocks would you need to represent a million?