Stage 3 Whole Number Assessment ~ Semester 2

Whole Number
A student:
› describes and represents mathematical situations in a variety of ways using mathematical terminology and some conventions MA3-1WM
› selects and applies appropriate problem-solving strategies, including the use of digital technologies, in undertaking investigations MA3-2WM
› orders, reads and represents integers of any size and describes properties of whole numbers MA3-4NA

Question 1 ~ Use the numeral tiles to make 5 different numbers of differing lengths. You do not need to use all tiles in each number, however each tile may only be used once in each number. Try to make large numbers.

3 7 2 4 1 9 8 5 0 6

Write the numbers you have made in numerals and words. You will also read them to your teacher.

<table>
<thead>
<tr>
<th>Numerals</th>
<th>Words</th>
<th>Reads</th>
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<tbody>
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_____/10

Place your numbers in order from smallest to largest

_________________     _________________     _________________     _________________     _________________

_____/5

Choose 2 of the numbers you made and record them in expanded notation

<table>
<thead>
<tr>
<th>Number</th>
<th>Expanded Notation</th>
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_____/4
Place these numbers on the number line

| 4 | 0 | -3 | -10 | 6 |

Draw lines to match the equal numbers

- 4 tens
- 50
- 4000
- 40 thousands
- 5 million

- 50 units
- 40 hundreds
- 500 ten thousands
- 40
- 40 000
**Question 2 - Answer the following questions**

<table>
<thead>
<tr>
<th>What is a factor?</th>
<th>Find all the factors of 60</th>
<th>Find all the factors of 21</th>
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<table>
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<tr>
<th>What is a multiple?</th>
<th>List the first 4 multiples of 10</th>
<th>List the first 4 multiples of 6</th>
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</table>

Is 14 a prime number? How do you know?

___________________________________________________________

___________________________________________________________

What is a composite number?

___________________________________________________________

___________________________________________________________
Question 3 – Answer these questions giving reasons

There are 48 people at a party. How many ways can you set up the tables and chairs so that each table seats the same number of people and there are no empty chairs?

Write 3 numbers between 8 990 323 and 10 345 281. How do you know you are right?

Write a number larger than 1 million, then write a number larger than 10 million. How do you know the first number is larger than 1 million? How do you know the second number is larger than 10 million?