

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

Numerals	Words	Reads

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Place your numbers in order from smallest to largest

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

Number	Expanded Notation

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Place these numbers on the number line

4	0	-3	-10	6
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Draw lines to match the equal numbers

4 tens

50 units

50

40 hundreds

4000

500 ten thousands

40 thousands

40

5 million

40 000

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Question 2 - Answer the following questions

What is a factor?	
Find all the factors of 60	Find all the factors of 21
What is a multiple?	
List the first 4 multiples of 10	List the first 4 multiples of 6

Is 14 a prime number? How do you know?

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What is a composite number?

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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?

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

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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?

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