Island Numeracy Assessment
Grade 6+: Number Sense A

Collaborative Task 1

I wrote down a four-digit number that's divisible by 3, 4, 5, and 6 but I spilled a cup of tea on it and can only see the first two digits.

The first two digits were 95 (in that order). What were the last two digits?

The second time it happened, I was again trying to make a four-digit number divisible by 3, 4, 5 and 6 with the first two digits being 12 (in that order).

Was I successful?

Share your thinking.

Collaborative Task 2

How much money?

Act 1:

Show the image of stacks of money below. Invite learners to consider, “What do you notice? What do you wonder?”

Most likely students will wonder “How much money is that?”

Invite students to estimate the amount of money there is:

Act 2:

Watch the video clip.

How much money is that?

Act 3:

Full task and solution to *How much money IS that?* :

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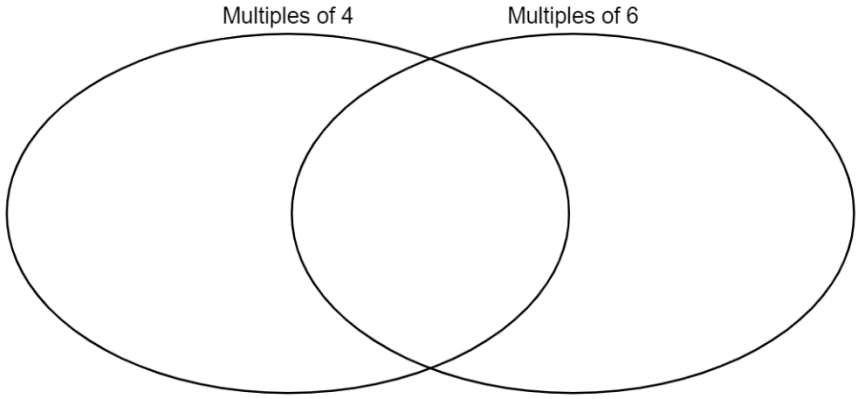
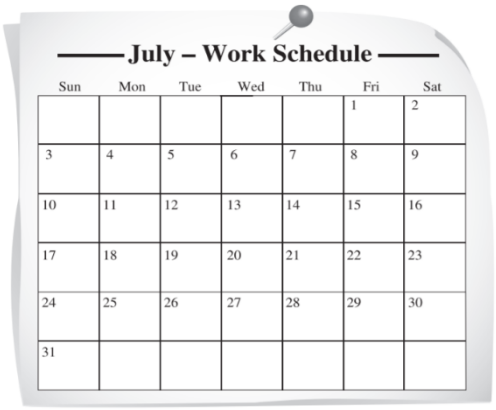
Assessment Question	Reflections
1. Write the numeral for seven billion fourteen million three hundred sixty thousand two hundred ten?	
2. What is 3.016 written in words?	
3. 3 2 1 4 7 9 6 5 8 Which number represents each place value? ____ ten millions ____ hundred thousands ____ hundreds ____ tens	
4. List as many factors of 84 as you can.	

5. Using the numbers listed below, place the numbers where they best fit in the Venn diagram



8 12 13 16 18 32 46 54 72 200 210

6. Heather works every 4th day and Sam works every 3rd day. If they both work on July 5th which other dates in July will they work together? Show how you know.



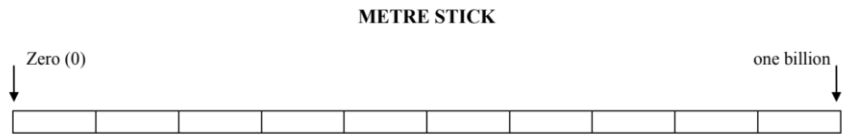
July – Work Schedule

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

7. List the Prime Numbers between 0 and 20.
Show how you know.

8. What is the greatest common factor of 24 and 60? Show how you know.

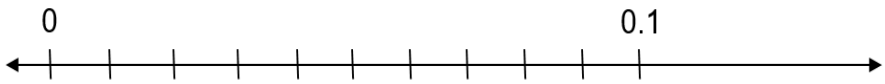
9.



If the meter stick represents one billion, where would the one million be located on the stick?

Explain your thinking in the space provided.

10.



Where would you place the following values on the number line above?

- 0.09
- 0.02
- 0.005

11. A 6-digit number is read as ___thousand forty _____. What could it be?

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Performance Task 1:

Find **three consecutive numbers** where the first is a multiple of 2, the second is a multiple of 3 and the third is a multiple of 4.

Find at least two more sets of three consecutive numbers that follow the same rule.

What do you notice?

Show how you know?

Possible extensions:

What if the first is a multiple of 3, the second is a multiple of 4 and the third is a multiple of 5?

3, 4, 5

63, 64, 65

123, 124, 125

183, 184, 185

What if the first is a multiple of 4, the second is a multiple of 5, and the third is a multiple of 6?

4, 5, 6

64, 65, 66

124, 125, 126

*Is there a way to find sets of **four consecutive numbers** which are multiples of 2, 3, 4 and 5 (in this order)?*

*Or **five consecutive numbers** which are multiples of 2, 3, 4, 5 and 6 (in this order)?*

Performance Task 2:

Can you find a reason why each number is different than all the rest?