

Name: _____ ()

Class: _____

INVESTIGATE DIVISIBILITY RULES

Practice 1

Objective:

To investigate and generate divisibility rules for 2 and 8

Instructions:

In this task, you are required to:

- select and apply mathematical problem-solving techniques to recognize divisibility rules for 2 and 8.
- describe the multiples of 2 and 8 as relationships or general rules
- verify whether your divisibility rules works for other examples.

Hints:

1. List some 3-digit numbers, which are multiples of 2 or 8.
2. Investigate the numbers see if you can recognize simple pattern between these numbers.
3. You might find out more than 1 rule to test if a number is completely divided by 2 or 8.
4. Describe your rule in mathematical language (words, sentence, symbol, diagrams, tables, etc.)
5. Test your rule with other bigger numbers (say 4-digit numbers, some divisible by 2 or 8 and some do not).
6. You might use calculator to avoid careless calculation mistake.
7. Present your work neatly, tidily and logically.