



Patterns and Products

Use the task instructions below to explore the patterns in the table:

x	142,857
1	142,857
2	285,714
3	428,571
4	
5	
6	
7	

Task Instructions:

1. Complete the first seven entries of the 142,857 table using technology (creating a spreadsheet or use a calculator).
2. What do you notice about the first seven table entries?
3. Fill in the next five rows without using technology.
4. Use technology to check your entries.
5. Use technology to find the decimal equivalents of $\frac{1}{7}$, $\frac{2}{7}$, $\frac{3}{7}$,...
6. Write about your observations.

Materials:

- Calculator
- Spreadsheet (Excel or Google Sheets)

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