### Lesson 1 Practice Problems

1. Here is a rule to make a list of numbers: Each number is the sum of the previous two numbers. Start with the numbers 0 and 1, then follow the rule to build a sequence of 10 numbers.
2. A sequence starts $\frac{1}{2},\frac{1}{4},\frac{1}{8},…$
	1. Give a rule that the sequence could follow.
	2. Follow your rule to write the next 3 terms in the sequence.
3. A sequence of numbers follows the rule: multiply the previous number by -2 and add 3. The fourth term in the sequence is -7.
	1. Give the next 3 terms in the sequence.
	2. Give the 3 terms that came before -7 in the sequence.
4. A sequence starts 0, 5, . . .
	1. Give a rule the sequence could follow and the next 3 terms for that rule.
	2. Give a *different* rule the sequence could follow and the next 3 terms for that rule.



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