Name:_____   Date:_____

Boom, Clap! Patterns

In math, a **pattern** is a sequence or ordered set of numbers. We can learn a lot about multiplication by finding patterns and using them to help us multiply. For example, when we count by fives, we can see that every number ends in a zero or five. Knowing this pattern can help us multiply by five.

5, 10, 15, 20, 25, 30, (35,) 40, 45, 50   5 x 7 = 35

1. Fill in the missing numbers to complete the pattern. Use a multiplication table if needed.

20, 24, 28, _____, 36, 40, _____, _____, 52, _____, 60, _____, _____

Describe the pattern in words. _____

2. Try counting by fours again, but this time, every time you reach a multiple of 4, write BOOM instead of the number.

1, 2, 3, **BOOM**, 5, 6, 7, _____, 9, 10, 11, _____, 13, 14, 15, _____,

(keep the pattern going) _____

3. Fill in the missing numbers to complete the pattern. Use a multiplication table if needed.

18, 24, _____, 36, 42, _____, 54, _____, _____, _____, 78, _____

Describe the pattern in words._____

4. Try counting by sixes again, but this time, every time you reach a multiple of 6, write CLAP instead of the number.

1, 2, 3, 4, 5, _____, (keep the pattern going) _____

_____

5. Now, write a pattern with BOOM and CLAP.

_____

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