

Name _____

Date _____

Describing and Extending Numeric Patterns

In this worksheet, we will practice describing and extending numeric patterns. This worksheet will ask you what the rule is for a pattern. For example, if you are asked what the rule is for the pattern 2, 3, 4, 5, 6- you could say that the rule is +1. If you were to extend this pattern, the next three numbers would be 7, 8, 9.

Exercise Questions:

1. Write the next three numbers for the pattern below, and then write the rule:

10, 20, 30, 40, 50, _____, _____, _____ The rule for this pattern is: _____

2. Write the next three numbers for the pattern below, and then write the rule:

25, 30, 35, 40, 45, _____, _____, _____ The rule for this pattern is: _____

3. Write the next three numbers for the pattern below, and then write the rule:

110, 112, 114, 116, 118, _____, _____, _____ The rule for this pattern is: _____

4. Write the next three numbers for the pattern below, and then write the rule:

84, 88, 92, 96, 100, _____, _____, _____ The rule for this pattern is: _____

5. Write the next three numbers for the pattern below, and then write the rule:

2, 4, 8, 16, 32, _____, _____, _____ The rule for this pattern is: _____



Answer Key

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In this worksheet, we will practice describing and extending numeric patterns. This worksheet will ask you what the rule is for a pattern. For example, if you are asked what the rule is for the pattern 2, 3, 4, 5, 6- you could say that the rule is +1. If you were to extend this pattern, the next three numbers would be 7, 8, 9.

Exercise Questions:

1. Write the next three numbers for the pattern below, and then write the rule:

10, 20, 30, 40, 50, 60, 70, 80 The rule for this pattern is: + 10

2. Write the next three numbers for the pattern below, and then write the rule:

25, 30, 35, 40, 45, 50, 55, 60 The rule for this pattern is: + 5

3. Write the next three numbers for the pattern below, and then write the rule:

110, 112, 114, 116, 118, 120, 122, 124 The rule for this pattern is: + 2

4. Write the next three numbers for the pattern below, and then write the rule:

84, 88, 92, 96, 100, 104, 108, 112 The rule for this pattern is: + 4

5. Write the next three numbers for the pattern below, and then write the rule:

2, 4, 8, 16, 32, 64, 128, 256 The rule for this pattern is: x 2

