



Patterns and Number Sequences

Name: _____

Date: _____

Grade: Grade 3

Part A: Fill in the Blank

Write the missing word or number on each line.

1. The pattern 2, 5, 8, 11 follows the rule add _____. The next number is 14.
2. What comes next in 7, 14, 21, 28, _____ ?
3. The pattern 80, 72, 64, 56 follows the rule subtract _____. The next number is 48.
4. An input-output table uses the rule multiply by 2. If the input is 6, the output is _____.
5. In the pattern 3, 6, 12, 24, each number is multiplied by _____.
6. If the rule is add 7 and the input is 15, the output is _____.
7. In the pattern 10, _____, 30, 40, the missing number is 20. The rule is add _____.
8. What comes next in 60, 55, 50, 45, _____ ?
9. In the repeating pattern 1, 2, 3, 1, 2, 3, 1, the next number is _____.

Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Rule: add 4, input = 8	→ _____	15
Rule: subtract 3, input = 20	→ _____	20
Rule: multiply by 3, input = 5	→ _____	12
Rule: add 9, input = 11	→ _____	17

Answer Key • Patterns and Number Sequences • Grade: Grade 3

Part A: Fill in the Blank

Write the missing word or number on each line.

1. The pattern 2, 5, 8, 11 follows the rule add 3. The next number is 14.
2. What comes next in 7, 14, 21, 28, 35 ?
3. The pattern 80, 72, 64, 56 follows the rule subtract 8. The next number is 48.
4. An input-output table uses the rule multiply by 2. If the input is 6, the output is 12.
5. In the pattern 3, 6, 12, 24, each number is multiplied by 2.
6. If the rule is add 7 and the input is 15, the output is 22.
7. In the pattern 10, 10, 30, 40, the missing number is 20. The rule is add _____.
8. What comes next in 60, 55, 50, 45, 40 ?
9. In the repeating pattern 1, 2, 3, 1, 2, 3, 1, the next number is 2.

Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Rule: add 4, input = 8	→ <u>12</u>	15
Rule: subtract 3, input = 20	→ <u>17</u>	20
Rule: multiply by 3, input = 5	→ <u>15</u>	12
Rule: add 9, input = 11	→ <u>20</u>	17