



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 4, 11, 18, 25 follows the rule add _____ .
2. What comes next in 9, 18, 27, 36, _____ ?
3. The pattern 70, 63, 56, 49 follows the rule subtract _____ .
4. An input-output table uses the rule multiply by 4. If the input is 5, the output is _____ .
5. In the pattern 2, 4, 8, 16, each number is multiplied by _____ .
6. If the rule is add 11 and the input is 9, the output is _____ .
7. In the pattern 15, _____ , 45, 60, the missing number is 30. The rule is add _____ .
8. What comes next in 84, 77, 70, 63, _____ ?
9. In the repeating pattern 4, 8, 12, 4, 8, 12, 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 6, input = 14	→ _____	30
Rule: subtract 9, input = 45	→ _____	20
Rule: multiply by 5, input = 6	→ _____	36
Rule: add 13, input = 8	→ _____	21

Part A: Fill in the Blank

Write the missing word or number on each line.

1. The pattern 4, 11, 18, 25 follows the rule add 7 .
2. What comes next in 9, 18, 27, 36, 45 ?
3. The pattern 70, 63, 56, 49 follows the rule subtract 7 .
4. An input-output table uses the rule multiply by 4. If the input is 5, the output is 20 .
5. In the pattern 2, 4, 8, 16, each number is multiplied by 2 .
6. If the rule is add 11 and the input is 9, the output is 20 .
7. In the pattern 15, 30 , 45, 60, the missing number is 30. The rule is add 15 .
8. What comes next in 84, 77, 70, 63, 56 ?
9. In the repeating pattern 4, 8, 12, 4, 8, 12, the next number is 4 .

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 6, input = 14	→ <u>20</u>	30
Rule: subtract 9, input = 45	→ <u>36</u>	20
Rule: multiply by 5, input = 6	→ <u>30</u>	36
Rule: add 13, input = 8	→ <u>21</u>	21