



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

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, 20 , 30, 40, the missing number is 20. The rule is add 10 .
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