Missing Arithmetic Number Patterns

FREE Worksheet - 2

Time: 10 minutes

(Detailed solutions at the end)

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1. Ruby has some eggs with numbers on them that she is arranging in a pattern. What is the missing number in Ruby's pattern?

   ____, 9511, 9516, 9521, 9526

   Answer:_____

2. Complete the number pattern.

   ____, 5266, 5766, 6266, 6766

   Answer:_____

3. What is the missing number in the number pattern below?

   3942, ____, 3962, 3972, 3982

   Answer:_____

4. Complete the number pattern.

   9230, 8330, 7430, 6530, _____

       a. 5620   b. 5530
       c. 5630   d. 5640

5. Complete the number pattern.

   1626, 1616, 1606, _____, 1586

       a. 5620   b. 5530
       c. 5630   d. 5640

6. A counting tape has numbers arranged in a pattern. Find the missing number in the counting tape below.

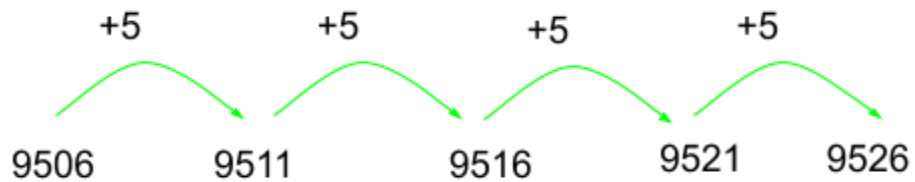   9982, 9382, 8782, 8182, _____

       a. 7582   b. 7572
       c. 7782   d. 7382
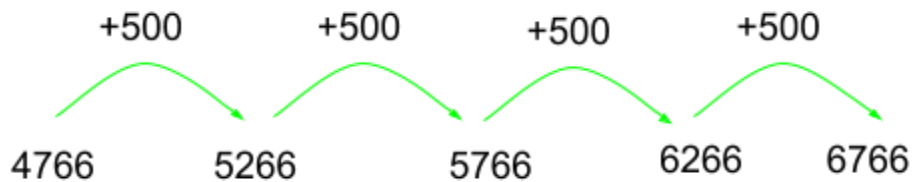
SOLUTIONS

Problem 1

Rule: Add 5 to get the next number.

The missing number is *9506*.

Problem 2
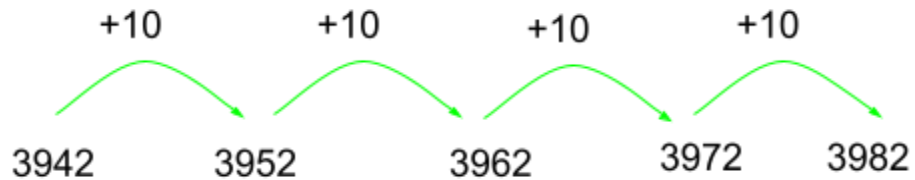
Rule: Add 500 to get the next number.
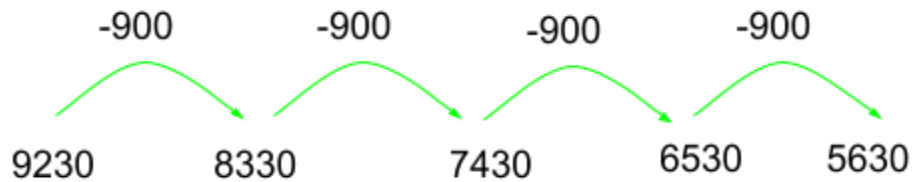

The missing number is *4766*.

Problem 3

Rule: Add 10 to get the next number.

| +10 | +10 | +10 | +10 |

3942   3952   3962   3972   3982

The missing number is **3952**.

Problem 4

Rule: Subtract 900 to get the next number.

| -900 | -900 | -900 | -900 |

9230   8330   7430   6530   5630

The missing number is **5630**.

Problem 5

Rule: Subtract 10 to get the next number.

-10	-10	-10	-10

1626   1616   1606   1596   1586
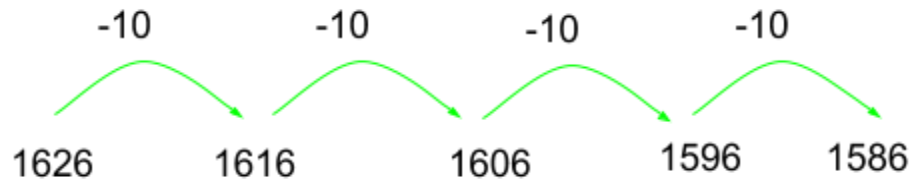
The missing number is *1596*.

Problem 6

Rule: Subtract 600 to get the next number.

-600	-600	-600	-600

9982   9382   8782   8182   7582

The missing number is *7582*.