



Math (CP) Department

Academic Year : 2025/2026

Name : **Answer Key**

Grade : 3 (A & B)

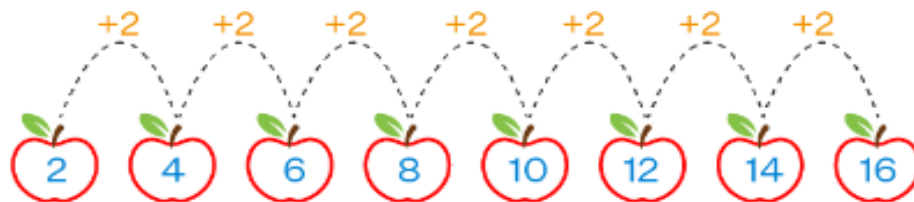
Date : _____

Sequences

A Sequence is a list of things (usually numbers) that are in order.

If the elements of the sequence are in increasing order, then the order of the sequence is ascending.

Sequence in Ascending Order



The above sequence is in ascending order as its terms are "increasing" by 2.

If the elements of the sequence are in decreasing order, then the order of the sequence is descending.

Sequence in Descending Order



The above sequence is in descending order as its terms are "decreasing" by 4.

1. Write the missing numbers in each box to complete each sequence.

a) 13, , 19, , 25, 28

b) 9, 7, , 3, ,

c) 17, 11, 5, -1, ,

d) 6, 12, 18, , 30, ,

2. Complete the following sequences , and write the rule for each sequence.

25 28 31 34 37 40 43 Rule:

0 2 4 6 8 Rule:

1050 1150 1250 1350 1450 1550 Rule:

925 1025 1225 1325 1425 1525 Rule:

3 7 11 15 Rule:

5 3 1 -1 -3 -5 -7 Rule:

0 3 6 Rule:

3. Here is part of a sequence.

83

75

67

59

The sequence continues in the same way.

a) What is the next number in the sequence?

..... 59

b) Explain the rule for this sequence.

$83 - 75 = 8$ (this is the term to term rule)

- we subtract 8 each time as the order of the sequence is decreasing.

