# Pattern from Difference to Sum

#### A. Choose the correct answer:

1. What is the difference between 15 and 10, and the sum of the result and 5?

a) 5	b) 10

c) 15 d) 20

2. If the pattern is: 20 – 10 = 10, 10 + 5 = 15, what is the next step if we subtract 5 again?

a) 5	b) 10
c) 15	d) 20

#### 3. Which operation is done first in the pattern: 30 - 10 + 5?

- a) Addition b) Subtraction
- c) Multiplication d) Division
- 4. In the pattern 50 20 = 30, 30 + 10 = 40, 40 5 = \_\_\_\_

a) 35	b) 30
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- c) 45 d) 25
- 5. What is the result of (25 5) + (10 5)?
  - a) 20 b) 25
  - c) 15 d) 30

# **B.** Write the Missing Terms to Complete the Sentences:

- 1. 30 10 = \_\_\_\_\_
- 2. 10 + 20 = \_\_\_\_\_
- 3. 50 30 + 10 = \_\_\_\_\_
- 4. 60 20 = 40, 40 + 10 = \_\_\_\_\_
- 5. (15 5) + (10 5) = \_\_\_\_\_

## C. Mark each sentence with a True ( $\checkmark$ ) or False (X):

- 1. In 50 25 + 5, subtraction is done first
- 2. 30 10 = 20, and 20 + 10 = 30

- 3. 60 20 = 30
- 4. Patterns can be formed by combining subtraction and addition
- 5. 40 + 20 10 = 30

#### D. Figure out the answers to these questions:

- 1. Complete the pattern: 40 10 = 30, 30 + 5 = 35, 35 5 = \_\_\_\_\_
- 2. Subtract 25 from 50 and then add 10 to the result. What do you get?
- 3. What comes next in the pattern: 20 5 = 15, 15 + 5 = 20, 20 10 = \_\_\_\_\_
- 4. Continue the pattern: 60 10 = 50, 50 + 10 = 60, 60 20 = \_\_\_\_\_
- 5. If the pattern is difference followed by sum, write the next two steps: 80 30 = 50

## E. Challenge yourself with these questions:

- 1. Subtract 3 1/2 from 10, then add 2 1/2
- 2. Create a pattern by subtracting 5 and adding 10 in turns starting from 100
- 3. Fill in the blanks: 70 20 = \_\_\_\_, \_\_\_\_ + 10 = \_\_\_\_\_
- 4. What is the next number if the pattern is 90 10 = 80, 80 + 5 = 85, 85 15 = \_\_\_\_

5. Write the first 4 steps of a pattern formed by subtracting 10 then adding 5 repeatedly from 50.