Number Patterns

A. Choose the correct answer:

1. What comes next in the pattern: 5, 10, 15, 20, ___?

a) 25   b) 30

c) 22   d) 27

2. Which rule fits the pattern: 1, 4, 7, 10, 13?

a) Add 2   b) Add 3

c) Add 4   d) Add 1

3. What comes next in the pattern: 100, 90, 80, 70, ___?

a) 65   b) 50

c) 60   d) 55

4. What is the next number in the pattern: 1, 2, 4, 8, 16, ___?

a) 20   b) 30

c) 32   d) 24

5. Which of the following is an odd number pattern?

a) 2, 4, 6, 8   b) 1, 3, 5, 7

c) 10, 20, 30   d) 5, 10, 15

B. Write the Missing Terms to Complete the Sentences:

1. 9, 18, 27, _____, 45

2. 1, 3, 6, 10, _____

3. 40, 36, 32, _____, 24

4. 3, 6, 12, 24, _____

5. 2 1/2, 3, 3 1/2, _____

C. Mark each sentence with a True (✔) or False (✗):

1. 2, 4, 8, 16 is a doubling pattern   _____
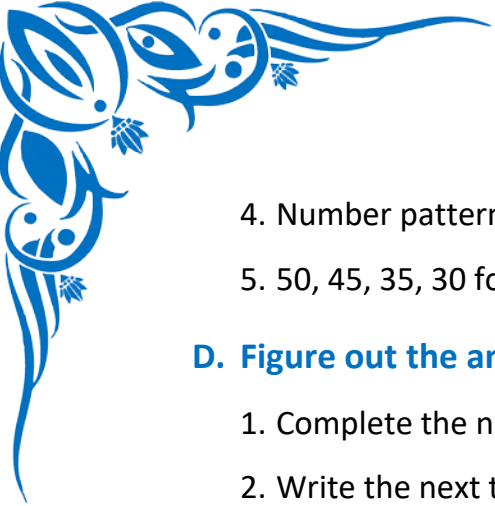
2. 5, 10, 20, 30 is an increasing pattern with equal difference   _____

3. 1, 3, 6, 10 is an odd number pattern   _____

4. Number patterns can increase or decrease   _____

5. 50, 45, 35, 30 follows subtraction of 5   _____

D. Figure out the answers to these questions:

1. Complete the number pattern: 6, 12, 18, 24, _____

2. Write the next three numbers in the pattern: 11, 22, 33, _____

3. Find the pattern rule: 100, 95, 90, 85, _____

4. What comes next: 2, 5, 10, 17, _____

5. Fill in the missing numbers: 4, _____, 16, _____, 36

E. Challenge yourself with these questions:

1. Create a number pattern that increases by 7

2. What comes after 1/2, 1, 1 1/2, 2, _____

3. Write a pattern of the first 5 even numbers

4. Find the next 2 numbers: 3, 9, 27, _____

5. What pattern is followed in: 0, 1, 1, 2, 3, 5, 8, _____