A. Choose the correct answer:

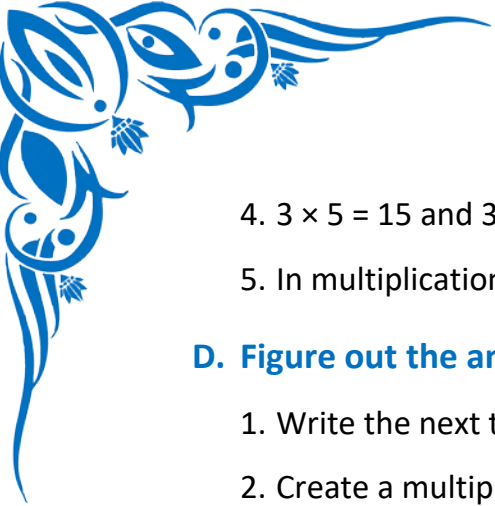1. What comes next in the pattern: 2, 4, 8, 16, ___?

   a) 24   b) 30

   c) 32   d) 20

2. Which pattern rule fits the numbers: 3, 6, 12, 24?

   a) Multiply by 2   b) Add 3

   c) Add 6   d) Multiply by 3

3. What is the next number in the pattern: 5, 10, 15, 20, ___?

   a) 30   b) 25

   c) 35   d) 40

4. The pattern 1, 2, 6, 24 follows

   a) Addition   b) Multiplication of even numbers

   c) Multiplication of increasing numbers   d) Square numbers

5. Which number fits: 10, 20, 40, 80, ___?

   a) 90   b) 100

   c) 120   d) 160

B. Write the Missing Terms to Complete the Sentences:

1. $3 \times 1 = 3$, $3 \times 2 = 6$, $3 \times 3 =$ _____

2. 5, 10, 15, _____, 25

3. $2 \times 1 = 2$, $2 \times 2 = 4$, $2 \times 3 = 6$, $2 \times 4 =$ _____

4. 4, 8, 16, _____

5. $10 \times 1 = 10$, $10 \times 2 = 20$, $10 \times 3 =$ _____

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

1. 2, 4, 8, 16 is a pattern formed by doubling   _____

2. Multiplication patterns grow faster than addition patterns   _____

3. 6, 12, 18, 24 is a subtraction pattern   _____

4. 3 × 5 = 15 and 3 × 6 = 18 shows a multiplication pattern _____

5. In multiplication patterns, the numbers always stay the same _____

D. Figure out the answers to these questions:

1. Write the next three numbers: 2, 6, 18, 54, _____

2. Create a multiplication pattern starting from 7 and increasing by 7

3. Complete the pattern: 1, 3, 9, 27, _____

4. If the pattern is 2 × 1 = 2, 2 × 2 = 4, 2 × 3 = 6, write the next two steps

5. What is the pattern rule in: 5, 15, 45, 135?

E. Challenge yourself with these questions:

1. Multiply 2 1/2 by 2, then multiply the result by 2 again

2. Make a pattern by multiplying each number by 4 starting from 1

3. Fill in: 10, 20, ___, 80, ___

4. Create a pattern using multiplication of odd numbers starting from 3

5. Continue this pattern: 6, 12, 24, ___, ___