Simplification

A. Choose the correct answer:

1. What is the simplified product of 8 × 2 × 5?
   a) 80
   b) 40
   c) 30
   d) 20

2. Which of the following is the simplified version of 4 × 6 × 2?
   a) 48
   b) 24
   c) 12
   d) 32

3. Simplify: 3 × (5 + 4)
   a) 27
   b) 15
   c) 18
   d) 10

B. Fill in the Blanks

1. 10 × 3 × 2 simplifies to _____

2. 2 × 5 × 4 = _____

3. In simplification, we perform _____ operations first.

4. 7 × (8 + 4) simplifies to _____

5. The simplified product of 2 × 3 × 4 × 5 is _____

C. Different Type Questions

1. Simplify 2 × 4 × 3.

2. Multiply and simplify: 5 × (3 + 2).

3. Find the simplified result of 6 × 7 × 2.

4. A basket contains 3 boxes, each with 4 rows of 5 apples. How many apples are there in total after simplifying?

5. Simplify and find the result of: 8 × (4 + 3).
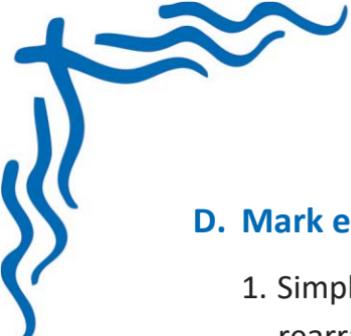
D. Mark each sentence with a True (✔) or False (✗):

1. Simplification helps to make a multiplication problem easier by rearranging the order of operations. ☐

2. 5 × 3 × 2 simplifies to 60. ☐

3. In simplification, we perform addition or subtraction before multiplication. ☐

4. 4 × (3 + 2) = 20 is the correct simplified product. ☐

5. The simplified product of 10 × 4 × 2 is 80. ☐

E. Miscellaneous Questions

1. Simplify the following: 6 × (7 + 2) and explain the steps.

2. Write a real-life situation where simplification of multiplication helps you find the answer faster.

3. Multiply and simplify: 2 × (4 + 5).

4. A bakery bakes 3 trays of cupcakes. Each tray has 5 rows, and each row has 6 cupcakes. How many cupcakes are there in total after simplifying?

5. Simplify and calculate: 3 × 6 × 2 and show how you simplified it.