1. In a prime puzzle, the grid must be filled with:
   A. even numbers only
   B. odd numbers only
   C. prime numbers only
   D. multiples of 10 only (C)

Explanation : The rule says every box in the grid must contain only prime numbers

2. In the prime puzzle, the product of each row is written:
   A. below the row
   B. to the right of the row
   C. inside the row
   D. above the row (B)

Explanation: The row product is shown on the right side of that row

3. In the prime puzzle, the product of each column is written:
   A. to the left of the column
   B. inside the column
   C. below the column
   D. above the column (C)

Explanation: The column product is shown below that column.

4. In the solved example, what is the product of the first row: 17, 2, 3?
   A. 42 B. 63
   C. 75 D. 102 (D)

Explanation: 17 × 2 × 3 = 102.

5. In the solved example, what is the product of the second row: 2, 3, 7?
   A. 30
   B. 42
   C. 63
   D. 75 (B)

Explanation : 2 × 3 × 7 = 42.

6. In the solved example, what is the product of the third row: 5, 5, 3?.
   A. 45 B. 63
   C. 75 D. 105 (C)

Explanation : 5 × 5 × 3 = 75

7. Which number below the first column matches 17, 2, and 5?
   A. 102
   B. 170
   C. 30
   D. 63 (B)

Explanation : 17 × 2 × 5 = 170.

8. Which number below the second column matches 2, 3, and 5?
   A. 30
   B. 42
   C. 63
   D. 75 (A)

Explanation : 2 × 3 × 5 = 30

9. Which number below the third column matches 3, 7, and 3?
   A. 42
   B. 63
   C. 75
   D. 102 (B)

Explanation : 3 × 7 × 3 = 63.

10. Why is a prime puzzle connected with prime factorization?
    A. Because it uses only addition
    B. Because row and column numbers are broken into prime factors
    C. Because it uses only even numbers
    D. Because it avoids multiplication (B)

Explanation : To fill the grid correctly, the given row and column products are expressed using prime factors.