Loreto Convent Intermediate College
Lucknow

WINTER VACATION HOLIDAY HOMEWORK 2024

SUBJECT – MATHS

CLASS – VI

MULTIPLE CHOICE QUESTIONS

Choose the correct answer in each of the following :

1. The ratio 108 : 135 in its simplest form is
   - (a) 23 : 27
   - (b) 27 : 25
   - (c) 3 : 5
   - (d) 4 : 5

2. If 30 : 42 : : 55 : x, then the value of x is
   - (a) 95
   - (b) 76
   - (c) 114
   - (d) 38

3. If 30 : 42 : : 55 : x, then the value of x is
   - (a) 77
   - (b) 66
   - (c) 88
   - (d) 35

4. If 7 : 9 : : x : 63, then the value of x is
   - (a) 42
   - (b) 49
   - (c) 35
   - (d) 56

5. If a : b : : c : d, then
   - (a) $ac = bd$
   - (b) $ab = cd$
   - (c) $ad = bc$
   - (d) none of these

6. 504 is divided into two parts in the ratio 5 : 7. The larger number is
   - (a) 210
   - (b) 294
   - (c) 395
   - (d) none of these

7. ₹1520 is divided between A and B in the ratio 8 : 11. Then, A's share is
   - (a) ₹880
   - (b) ₹720
   - (c) ₹640
   - (d) ₹560

8. The ratio of boys and girls in a school is 13 : 8. If the number of girls is 840, the total strength of the school is
   - (a) 1365
   - (b) 2730
   - (c) 2205
   - (d) 1820

9. The sides of a triangle are in the ratio 1 : 3 : 5 and its perimeter is 90 cm. The length of its largest side is
   - (a) 36 cm
   - (b) 40 cm
   - (c) 50 cm
   - (d) 54 cm

10. To reduce a ratio a : b to its simplest form, we divide each one of a and b by
    - (a) the HCF of a and b
    - (b) the LCM of a and b
    - (c) ab
    - (d) none of these