

BCM SCHOOL, BASANT AVENUE, DUGRI, LUDHIANA.
AUGUST ASSIGNMENT
CLASS- VI (MATHEMATICS)
CHAPTERS: DATA HANDLING & PRIME TIME
ANSWER KEY

SECTION – A (MULTIPLE CHOICE QUESTIONS)

1.	c) 8, 15
2.	c) 30
3.	d) A is false but R is true.

SECTION – B (2 MARKS QUESTIONS)

4.	a) Bus b) 10 students c) Bicycle and Walking
5.	$242 = 2 \times 11 \times 11$ $12 = 2 \times 2 \times 3$ Since 12 has factors 2^2 and 3, which are not all present in 242, 242 is NOT divisible by 12.

SECTION – C (3 MARKS QUESTIONS)

7.	a) Common factors of 24, 36 and 48 are: 1, 2, 3, 4, 6 and 12. b) Yes, 242 and 195 are co-prime because their HCF is 1.
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SECTION – D (5 MARKS QUESTIONS)

8.	58732755 is: • Not divisible by 2 (last digit is 5). • Not divisible by 4 (last two digits 55 are not divisible by 4). • Divisible by 5 (last digit is 5). • Not divisible by 8 (755 is not divisible by 8). • Not divisible by 10 (last digit is not 0).
9.	LCM of 4, 6, 7, 8, 9, 10, 11 and 12 = 27,720. Therefore, the smallest required number is 27,720.