

Date:- 23.07.2016

HOME ASSIGNMENT

SA 1

CLASS - V

Chapter - 4, 5 Factors & Multiples

Q1 Which of these are 'Prime Numbers'? circle them
3, 5, 9, 17, 18, 31, 33, 59, 87

Q2 Which of these are 'Composite Numbers'? circle them
2, 4, 7, 9, 17, 38, 39, 41, 92, 99

Q3 Find 'Prime Factorisation' of these numbers. and also write the 'Prime factors'

(a) 56 (b) 91 (c) 66 (d) 125

Q4 Find the HCF of these numbers by 'Prime factorisation method'

(a) 16, 80 (b) 81, 117 (c) 9, 27, 21

(d) 225, 450 (e) 144, 180, 192

Q5 Find the LCM of these numbers by listing their common multiples:-

(a) 8, 10, 30 (b) 20, 25

(c) 12, 20 (d) 8, 6, 12

Q6 Find the LCM by 'Prime factorisation'

(a) 28, 32, 64 (b) 60, 84, 96

(c) 14, 28, 42 (d) 32, 56, 84

Q7 First find the common factors and then find their HCF

(a) 18, 27, 36 (b) 28, 36 (c) 49, 25

Q8 Test the divisibility by 3 for given numbers:-

(a) 192 (b) 207 (c) 2346

Q9. Test the divisibility by 4 for given numbers:

(a) 486 (b) 3428 (c) 7800

Q10 Test the divisibility by 6 for given no's:-

(a) 326 (b) 1826 (c) 789

Q11 Test the divisibility by 5 for given no's:-

(a) 505 (b) 2069 (c) 4835

Q12 Test the divisibility by 10 for given no's:-

(a) 2690 (b) 8534 (c) 7256

ANSWERS:-

Q3 (a) $2 \times 2 \times 2 \times 7$ (b) $91 = 7 \times 13$ (c) $66 = 2 \times 3 \times 11$ (d) $125 = 5 \times 5 \times 5$
P.F = 2, 7 P.F = 7, 13 P.F = 2, 3, 11 P.F = 5

4 (a) 16 (b) 9 (c) 3 (d) 225 (e) 6

5 (a) 120 (b) 100 (c) 60 (d) 24

6 (a) 224 (b) 2520 (c) 84 (d) 672

7 (a) 3 (b) 4 (c) 1

8 (a) yes (b) yes (c) yes

9 (a) No (b) yes (c) yes

10 (a) No (b) No (c) No

11 (a) yes (b) No (c) yes

12 (a) yes (b) No (c) No