Chapter 3: Factors and Multiples, Class 7



CLASS NOTES-ANSWERS

Exercise 3.2

1. Draw the factor tree of the following.

a. 48	b. 86	c. 100	d. 145

e. 196 f. 234

Answer:





c. $100 = 2 \times 2 \times 5 \times 5$











f. 234 = 2 × 3 × 3 × 13



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2. Find the prime factorisations of the following numbers.

	a. 36	b. 54	c. 96	d. 125
	e. 255	f. 282	NRDEN SCI	
A	nswer:		GAN CH	
	a. 36 = 2 × 2 :	× 3 × 3		
	b. 54 = 2 × 3	× 3 × 3		8
	c. 96 = 2 × 2 >	× 2 × 2 × 2	×37	82 / 22 / 22 / 22 / 22 / 22 / 22 / 22 /
	d. 125 = 5 × 5	5×5	C. Kanjirappally	
	e. 255 = 3 × 5	5 × 17		
	f. 282 = 2 × 3	× 47		

3. Check if the following numbers are coprime or not.

a. 12 and 15	b. 19 and 21	c. 25 and 29
d. 48 and 35	e. 45 and 54	f. 50 and 51

Answer:

- a. 12 and 15 are not coprime numbers.
- b. 19 and 21 are coprime numbers.
- c. 25 and 29 are coprime numbers.



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- d. 48 and 35 are coprime numbers.
- e. 45 and 54 are not coprime numbers.
- f. 50 and 51 are coprime numbers.

