



$$2(iii) \quad 336 = 2^4 \times 3 \times 7$$

$$54 = 2 \times 3^3$$

$$HCF = 2 \times 3$$

$$= 6$$

$$LCM = 2^4 \times 3^3 \times 7$$

$$= 3024$$

$$HCF \times LCM = 6 \times 3024$$

$$= 18144$$

$$\text{Product of numbers} = 336 \times 54$$

$$= 18144$$

$$\therefore \text{Product of numbers} = HCF \times LCM.$$

$$3(i) \quad 12 = 2^2 \times 3$$

$$15 = 3 \times 5$$

$$21 = 3 \times 7$$

$$HCF = 3$$

$$LCM = 3 \times 2^2 \times 5 \times 7$$

$$= 420$$

$$3(ii) \quad 17 = 17$$

$$23 = 23$$

$$29 = 29$$

$$HCF = 1$$

$$LCM = 17 \times 23 \times 29$$

$$= 11339$$

$$3(iii) \quad 8 = 2^3$$

$$9 = 3^2$$

$$25 = 5^2$$

$$HCF = 1$$

$$LCM = 8 \times 9 \times 25$$

$$= 1800$$