STD – 10 MATHS

CHAPTER - 1

REAL NUMBER

EXERCISE - 1.2 Q-1

Express each number as a product of its prime factors:

- (i) 140
- By Taking the LCM of 140, we will get the product of its prime factor. Therefore,

2	140
2	70
5	35
7	7
	1

$$=2\times2\times5\times7\times1$$

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

(ii) 156

By Taking the LCM of 156, we will get the product of its prime factor.

2	156
3	78
3	39
13	13
	1

$$=2\times2\times13\times3\times1$$

$$= 2^2 \times 13 \times 3$$

(iii) 3825

By Taking the LCM of 3825, we will get the product of its prime factor.

3	3825
3	1275
5	425
5	85
17	17
	1

$$= 3 \times 3 \times 5 \times 5 \times 17 \times 1$$

$$=3^2\times5^2\times17$$

(iii) 5005

By Taking the LCM of 5005, we will get the product of its prime factor.

5	5005
7	1001
11	143
13	13
	1

$$= 5 \times 7 \times 11 \times 13 \times 1$$

$$= 5 \times 7 \times 11 \times 13$$

(v) 7429

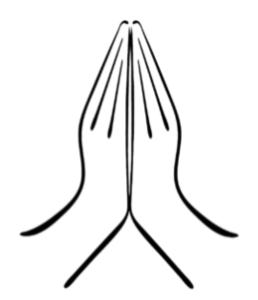
▶ By Taking the LCM of 7429, we will get the product of its prime factor.

17	7429
19	437
23	23
	1

$$= 17 \times 19 \times 23 \times 1$$

$$= 17 \times 19 \times 23$$

Thanks



For watching