

Class 10 Mathematics - Real Numbers

Name: _____

Date: _____

Medium Worksheet 3

Questions

1. Given $\text{HCF}(36, 84) = 12$, find $\text{LCM}(36, 84)$.
2. Find the HCF of 96 and 404.
3. Hence find the LCM of 96 and 404.
4. Find the HCF of 18, 24 and 30.
5. Find the LCM of 18, 24 and 30.
6. Is the product of three numbers always equal to $\text{HCF} \times \text{LCM}$?

Answer Key

1.

$$\text{LCM} = (36 \times 84) / 12$$

$$= 252$$

2.

$$96 = 2^5 \times 3$$

$$404 = 2^2 \times 101$$

$$\text{HCF} = 4$$

3.

$$\text{LCM} = (96 \times 404) / 4$$

$$= 9696$$

4.

$$\text{HCF} = 6$$

5.

$$\text{LCM} = 360$$

6. No

