

1. Answer the following questions:-

[2×1= 2]

- a) Give an example of a prime triplet.
- b) Give an example of improper fraction.

2. Answer the following questions:-

[2×2= 4]

- a) prove that with the help of an example that if two given numbers are divisible by a number , then their sum is also divisible by that number.
- b) Write natural numbers from 2 to 12. What fraction of them are prime numbers?

3. Answer the following questions:-

[2×3= 6]

- a) Convert $\frac{7}{12}$, $\frac{5}{21}$ into equivalent like fractions.
- b) The HCF and LCM of two numbers are 6 and 840 respectively .If one number is 42 , find the other number.

4. Answer the following questions:-

[4×2=8]

- a) Arrange $\frac{2}{3}$, $\frac{5}{6}$, $\frac{5}{8}$, $\frac{9}{14}$ in descending order.
- b) Simplify:- $7(\frac{3}{4})-3(\frac{5}{6})+\frac{7}{8}$.