



Grade 10

Mathematics

Unit : 11

11 - least common multiple.

01) Find the L.C.M

a) 16, 48, 60, 72

b) 50, 60, 70

c) 24, 30, 32, 42

c) 96, 132, 144

02) Find L.C.M

1) $3a, 4b, 5c$

2) $4x, 6xy, 12xy^2$

3) $3a^2b, 9a^2b^2, 12a^2b$

4) $3a^2, 5b^2, 7c^2$

5) $5, (x+2y)$

6) $2x, (x+y)$

7) $2y, (2x+y)$

8) $8a, 8(a+b)$

03) Find the common denominator to solve the fractions. given below.

1) $\frac{2}{3a} - \frac{1}{4a}$

2) $\frac{2}{x-1} + \frac{1}{x^2-1}$

3) $\frac{2}{3a} - \frac{1}{4b} + \frac{3}{6ab^2}$

4) $\frac{1}{(y-x)} + \frac{1}{x^2-y^2}$

04) Find L.C.M

1) $a^2 - 4, 3a^2 - 5a - 2$

2) $a(a+b), 3a(a+b)(a-b)$

3) $(a-b)(a-3)^2, (b-a)^2(3-a)$

4) $(a^2-4), a^2-4a+4$

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