

25.11.2019

EVERWIN VIDHYASHRAM

Marks: 20

STD: VI

TT - MATHS

Time: 40 min

I. Fill in the blanks:

- 1. Fraction 2. Improper 3. Proper 4. Like 5. Unlike

II. Match:

- 6. Proper fractions 7. Equivalent fractions 8. Improper fractions
- 9. Mixed fractions 10. Like fractions 11. Unlike fractions

III. Solve:

12. $\frac{3}{4}$ and $\frac{4}{7}$

Lcm of 4 and 7 is 28

$$\frac{3 \times 7}{4 \times 7} = \frac{21}{28}$$

$$\frac{4 \times 4}{7 \times 4} = \frac{16}{28}$$

$$\frac{21}{28} > \frac{16}{28}$$

$$2 \overline{) 4, 7}$$

$$2 \overline{) 2, 7}$$

$$7 \overline{) 1, 7}$$

1, 1

Ans: $\frac{3}{4} > \frac{4}{7}$

LCM = $2 \times 2 \times 7$

LCM = 28

13. $\frac{4}{15} + \frac{3}{10}$

LCM of 15 and 10 is

$$\frac{4 \times 2}{15 \times 2} = \frac{8}{30}$$

$$\frac{3 \times 3}{10 \times 3} = \frac{9}{30}$$

$$\frac{8}{30} + \frac{9}{30} = \frac{8+9}{30} = \frac{17}{30}$$

$$2 \overline{) 15, 10}$$

$$3 \overline{) 15, 5}$$

$$5 \overline{) 5, 5}$$

1, 1

Ans: $\frac{17}{30}$

LCM = $2 \times 3 \times 5$

LCM = 30

14. $\frac{3}{4} - \frac{2}{3}$

LCM of 4 and 3 is 12

$$\frac{3 \times 3}{4 \times 3} = \frac{9}{12}$$

$$\frac{2 \times 4}{3 \times 4} = \frac{8}{12}$$

$$\frac{9}{12} - \frac{8}{12} = \frac{9-8}{12} = \frac{1}{12}$$

Ans: $\frac{1}{12}$

2 3, 4

2 3, 2

3 3, 1

1, 1

LCM = $2 \times 2 \times 3$

LCM = 12