

Date 12/05/22

Name _____
Class - 7 Sec - 1

Ch 2 Worksheet Rational numbers

1. (i) $\frac{p}{q}$ where p and q are integers and $q \neq 0$
(ii) q is not equal to zero $q \neq 0$

2. (ii) In a standard rational number, common factor is (b) 1.

3. Standard form of $-\frac{48}{60}$ is $-\frac{4}{5}$ (i)

4. Equivalent to $\frac{4}{5}$ is $\frac{16}{20}$.

5. Unlimited

6. Positive integers

7. F

8. Right side

9. $-\frac{1}{2}$ is less than $\frac{1}{5}$

10. $\frac{7}{-8} < \frac{8}{9}$

11. $\frac{3}{7} > -\frac{5}{6}$

12. $\frac{5}{2} > 4$

13. $-\frac{9}{7} < \frac{4}{-7}$ false

14. $\frac{8}{8} \equiv \frac{2}{2}$

15. 0

16. $\frac{3}{2}$

17. $\frac{9}{2} m = \frac{171}{2}$

$1m = \frac{171}{2} \times \frac{2}{9} = 19$

18. $14 \times 32 \frac{5}{7}$

$= 2 \times 7 \times 32 \times 7 \frac{5}{7}$

$= 2 \times 8 \times 224$

$= 458$

19. $\frac{-7}{10}, \frac{5}{-8}, \frac{2}{-3}$

LCM = $\frac{2 \times 10 \times 8 \times 3}{5 \times 4 \times 3} = 20$

$\frac{-7}{10} = \frac{-84}{120}$

$\frac{5}{-8} = \frac{-75}{120}$

$\frac{-7}{10} < \frac{-2}{3} < \frac{-5}{8}$

$\frac{-2}{3} = \frac{-80}{120}$

20. $\frac{-5}{8} = \frac{-75}{120}$