



Worksheet No.1

Jharkhand State Board

Author: Ishita Khatri

Class: 8

Lesson number and name: Chapter 1, Rational Numbers

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Subject: Maths

Topic: Properties of Rational Numbers

1 $\frac{-9}{19}$ dk ;ksT; çfrykse gS &

The additive inverse of is $\frac{-9}{19}$ -

$\frac{1}{4}a\frac{1}{2}\frac{-9}{19}$

$\frac{1}{4}b\frac{1}{2}\frac{9}{19}$

$\frac{1}{4}c\frac{1}{2}\frac{-19}{9}$

$\frac{1}{4}d\frac{1}{2}\frac{19}{9}$

2 ;fn $x + 0 = 0 + x = x$ gS] tks ,d ifjes; la[;k gS] rks 0 dgykrk gS&

If $x + 0 = 0 + x = x$, where x is a rational number, then 0 is called -

$\frac{1}{4}a\frac{1}{2}$ ifjes; la[;kvksa ds ;ksx ds fy, rRled

$\frac{1}{4}b\frac{1}{2}$ x dk ;ksT; çfrykse

$\frac{1}{4}c\frac{1}{2}$ x dk xq.ku çfrykse

$\frac{1}{4}d\frac{1}{2}$ x dk 0;qRØe

3 ,d /kukRed ifjes; la[;k dk 0;qRØe _____ gksrk gSA

The reciprocal of a positive rational number is _____.

4 'kwU; dk 0;qRØe _____ gSA

Zero has _____ reciprocal.

5 $\frac{-9}{19}$ dk 0;qRØe _____ gSA

The multiplicative inverse of $\frac{-9}{19}$ is _____.



6 $\frac{3}{4}$ dk xq.ku çfrykse _____ gSA

The multiplicative inverse of $\frac{3}{4}$ is _____.

7 Ijy dhft, $\frac{32}{5} + \frac{23}{11} \times \frac{22}{15}$

Simplify- $\frac{32}{5} + \frac{23}{11} \times \frac{22}{15}$

8 nks ifjes; la[;kvksa dk xq.kuQy -7 gSA ;fn muesa ls ,d la[;k -10 gS] rks nwljh la[;k Kkr dhft,A

The product of two rational numbers is -7. If one of the number is -10, find the other.

9 $\frac{2}{3}, \frac{-4}{7}, \frac{1}{2}$, oa $\frac{1}{3}$ esa ls os ifjes; la[;k,i NkifV,) tks vU; rhuksa la[;kvksa ls fHkUu çdkj dh gksaA vius dkj.k dks Li"V dhft,A

Among $\frac{2}{3}, \frac{-4}{7}, \frac{1}{2}$ and $\frac{1}{3}$, find the artional number which is different form the other 3 rational numbers. Give reasons.

10 ;fn leku lkbt dh 16 deht 24ehVj diM+s ls cuk;h tk ldrh gSa] rks ,d deht dks cukus ds fy, fdrus diM+s dh vko';drk gksxh\

If 16 shirts of equal size can be made out of 24m of cloth, how much cloth is needed for making one shirt?

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