



MATHS

BOOKS - PSEB

RATIONAL NUMBERS



1. Find
$$rac{3}{7}+\left(rac{-6}{11}
ight)+\left(rac{-8}{21}
ight)+\left(rac{5}{22}
ight)$$



4. Write the additive inverse of the following:

112



6. Verify that – (– x) is the same as x for :
$$x = \frac{-21}{31}$$

















4. Write the additive inverse of each of the following . $\frac{-5}{9}$



5. Write the additive inverse of each of the following . $\frac{-6}{-5}$ Watch Video Solution

6. Write the additive inverse of each of the following . $\frac{2}{-9}$





9. Verify that – (– x) = x for.
$$x = -\frac{13}{17}$$

10. Find the multiplicative inverse of the following : -13





12. Find the multiplicative inverse of the following : $\frac{1}{5}$

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13. Find the multiplicative inverse of the following: $\frac{-5}{8} \times \frac{-3}{7}$ **Watch Video Solution** 14. Find the multiplicative inverse of the following : $-1 \times \frac{-2}{5}$ Watch Video Solution

15. Find the multiplicative inverse of the following : -1









18. Name the property under multiplication





20. Tell what property allows you to compute

$$rac{1}{3} imes \left(6 imes rac{4}{3}
ight)$$
as $\left(rac{1}{3} imes 6
ight) imes rac{4}{3}$





22. Is 0.3 the multiplicative inverse of $3\frac{1}{3}$? Why or why not? **Vatch Video Solution**

23. The rational number that does not have a reciprocal.



24. The rational numbers that are equal to their reciprocals.

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25. The rational number that is equal to its negative.







30. Fill in the blanks : The product of two
rational numbers is always a
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31. Fill in the blanks : The reciprocal of a positive rational number is
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32. Represent these numbers on the number line. $\frac{7}{4}$ **Watch Video Solution**











40. Write five rational numbers greater than



