

21. The reciprocal of  $\frac{-3}{8} \times \frac{-7}{13}$  is  $\frac{104}{21}$
22. (a)
23. Between two given rational numbers, we can find infinitely many rational numbers
24.  $\frac{x+y}{2}$  is a rational number between x and y
25. Which of the following statements is always true?  
 $\frac{x+y}{2}$  is a rational number between x and y
26. The equivalent of  $\frac{5}{7}$  whose numerator is 45 =  $\frac{5 \times 9}{7 \times 9} = \frac{45}{63}$
27. The equivalent rational number of  $\frac{7}{9}$  whose denominator is 45  
 $= \frac{7 \times 5}{9 \times 5} = \frac{35}{45}$
28. Between the numbers  $\frac{15}{20}$  and  $\frac{35}{40}$  the greater number is  $\frac{35}{40}$
29. The reciprocal of a positive rational number is positive.
30. The reciprocal of a negative rational number is negative.
31. Zero has no reciprocal.
32. The numbers 1 and - 1 are their own reciprocal.
33. If y be the reciprocal of x, then the reciprocal of  $y^2$  in terms of x will be  $x^2$
34. The reciprocal of  $\frac{2}{5} \times \frac{-4}{9}$  is  $\frac{-45}{8}$
35.  $(213 \times 657)^{-1} = 213^{-1} \times 657^{-1}$