

v) 3.28 by 0.8 vi) 0.288 by 0.9 $\frac{3}{4}$

vii) 2.0484 by 0.18 viii) 25.395 by 1.5

31) The total cost of 24 chairs is ₹ 9255.60. find the cost of each chair.

32. A car covers a distance of 22.8 km in 2.4 l of petrol. How much distance will it cover in 1 l of petrol?

33. Monica cuts 46m of cloth into pieces of 1.15m each. How many pieces does she get?

34. The product of two decimals is 261.36. If one of them is 176 find the other.

35. Which of the following are pairs of equivalent rational no.

i) $-\frac{13}{7}$, $\frac{39}{-21}$ ii) $\frac{3}{-8}$, $-\frac{6}{16}$

iii) $\frac{9}{4}$, $-\frac{36}{-16}$ iv) $\frac{7}{15}$, $-\frac{28}{60}$

36. find x such that

i) $-\frac{1}{5} = \frac{8}{x}$ ii) $\frac{7}{3} = \frac{x}{6}$

iii) $\frac{3}{5} = \frac{x}{-25}$ iv) $\frac{13}{6} = \frac{-65}{x}$

37. Arrange the following in ascending order. i) $\frac{2}{5}$, $\frac{7}{10}$, $\frac{8}{15}$, $\frac{13}{30}$

ii) $-\frac{3}{10}$, $\frac{7}{15}$, $-\frac{11}{20}$, $\frac{17}{30}$

38. Arrange the following in descending order. i) $-\frac{2}{5}$, $\frac{7}{10}$, $-\frac{11}{15}$, $\frac{19}{30}$

ii) -2 , $-\frac{13}{6}$, $\frac{8}{-3}$, $\frac{1}{3}$

39. Evaluate: i) $-\frac{3}{5} + \frac{7}{5} + \frac{1}{5}$

ii) $\frac{11}{-12} + \frac{3}{-8} + \frac{1}{4}$ iii) $-3 + \frac{1}{8} + \frac{-2}{5}$

40. Simplify: i) $-\frac{7}{10} + \frac{13}{-15} + \frac{27}{20}$

ii) $-\frac{9}{11} + \frac{2}{3} + \frac{3}{4}$

41. Express each of the following rational nos as sum of an integer and a rational no.

i) $\frac{12}{5}$ ii) $-\frac{11}{7}$ iii) $-\frac{25}{9}$ iv) $-\frac{103}{20}$

42. Subtract i) $\frac{5}{4}$ from $\frac{1}{3}$ ii) $-\frac{5}{6}$ from $\frac{1}{3}$

iii) $-\frac{18}{11}$ from 1 iv) 5 from $\frac{3}{5}$

43. Subtract the sum of $-\frac{36}{8}$ and $\frac{49}{22}$ from the sum of $\frac{33}{8}$ and $-\frac{19}{4}$.

44. The sum of two rational nos is $\frac{4}{21}$. If one of them is $\frac{5}{7}$, find other.

45. What should be added to $-\frac{3}{8}$ to get $\frac{5}{12}$.

46. What should be subtracted from $-\frac{3}{4}$ to get $\frac{5}{6}$?

47. Simplify i) $\frac{3}{20} \times \frac{4}{5}$ ii) $-\frac{7}{30} \times \frac{5}{14}$

iii) $\frac{5}{-18} \times \frac{-9}{20}$ iv) $-\frac{9}{8} \times \frac{-16}{3}$

v) $\frac{7}{24} \times -48$ vi) $-\frac{19}{36} \times 16$ vii) $-\frac{3}{4} \times \frac{4}{3}$

48. Simplify: i) $(\frac{13}{8} \times \frac{12}{13}) + (-\frac{4}{9} \times \frac{3}{-2})$

ii) $(\frac{1}{15} \times \frac{-25}{8}) + (\frac{-14}{27} \times \frac{6}{7})$

iii) $(\frac{6}{55} \times \frac{-22}{9}) - (\frac{26}{125} \times \frac{-10}{39})$

iv) $(-\frac{12}{7} \times \frac{-14}{27}) - (-\frac{8}{45} \times \frac{9}{16})$

49. Simplify: i) $\frac{4}{9} \div (-\frac{5}{12})$ ii) $-8 \div (-\frac{5}{16})$

iii) $-\frac{12}{7} \div (-18)$ iv) $(-\frac{1}{10}) \div (-\frac{8}{5})$

50. Divide the sum of $\frac{68}{12}$ and $\frac{8}{3}$ by their difference.

51. By what no. should $-\frac{44}{9}$ be divided to get $-\frac{11}{3}$?

52. The product of two rational numbers is 10. If one of them is -8 , find other.

53. If 24 pairs of trousers of equal size can be prepared with 54 m of cloth, what length of cloth is required for each pair of trousers?

54. How many pieces of length $3\frac{3}{4}$ m, can be cut from a rope of length 30m.

55. The cost of $2\frac{1}{2}$ m of cloth is ₹ 78 $\frac{3}{4}$. find the cost of cloth per m.

56. find reciprocal of each -

i) 18 ii) -16 iii) $\frac{13}{25}$ iv) 0

57. fill in the blanks

i) $\dots \div (-\frac{7}{5}) = \frac{10}{19}$ ii) $\frac{9}{8} \div \dots = \frac{3}{2}$

58. Simplify: i) $\frac{7}{15} \div \frac{2}{3}$ ii) $\frac{16}{21} \div \frac{-4}{3}$