Decimals Ex 7.4 Q1

Answer :

(i) $\frac{23}{10} = \frac{20+3}{10} = \frac{20}{10} + \frac{3}{10} = 2 + \frac{3}{10} = 2.3$

(ii) $\frac{139}{100} = \frac{100+30+9}{100} = \frac{100}{100} + \frac{30}{100} + \frac{9}{100} = 1 + \frac{3}{10} + \frac{9}{100} = 1.39$

(iii) $\frac{4375}{1000} = \frac{4000+300+70+5}{1000} = \frac{4000}{1000} + \frac{300}{1000} + \frac{70}{1000} + \frac{5}{1000} = 4 + \frac{3}{10} + \frac{7}{100} + \frac{5}{1000} = 4.375$

(iv) $12\frac{1}{2} = 12 + \frac{1}{2} = 12 + \frac{1\times5}{2\times5} = 12 + \frac{5}{10} = 12.5$

(v) $75\frac{1}{4} = 75 + \frac{1}{4} = 75 + \frac{1\times25}{4\times25} = 75 + \frac{25}{100} = 75.25$

(vi) $25\frac{1}{8} = 25 + \frac{1}{8} = 25 + \frac{1\times125}{8\times125} = 25 + \frac{125}{1000} = 25.125$

(vii) $18\frac{3}{24} = 18 + \frac{3}{24} = 18 + \frac{1}{8} = 18 + \frac{125\times1}{125\times8} = 18 + \frac{125}{1000} = 18.125$

(viii) $39\frac{7}{35} = 39 + \frac{7}{35} = 39 + \frac{1}{5} = 39 + \frac{1\times2}{5\times2} = 39 + \frac{2}{10} = 39.2$

(ix) $15\frac{1}{25} = 15 + \frac{1}{25} = 15 + \frac{1\times4}{25\times4} = 15 + \frac{4}{100} = 15.04$

(x) $\frac{111}{250} = \frac{111\times4}{250\times4} = \frac{444}{1000} = 0.444$

Decimals Ex 7.4 Q2

Answer :

(i) $0.5 = \frac{5}{10} = \frac{1}{2}$

(ii) $2.5 = \frac{25}{10} = \frac{5}{2}$

(iii) $0.60 = \frac{60}{100} = \frac{3}{5}$

(iv) $0.18 = \frac{18}{100} = \frac{9}{50}$

(v) $5.25 = \frac{525}{100} = \frac{21}{4}$

(vi) $7.125 = \frac{7125}{1000} = \frac{57}{8}$

(vii) $15.004 = \frac{15004}{1000} = \frac{3751}{250}$

(viii) $20.375 = \frac{20375}{1000} = \frac{163}{8}$

(ix) $600.75 = \frac{60075}{100} = \frac{2403}{4}$

(x) $59.48 = \frac{5948}{100} = \frac{1487}{25}$

********** END **********