



## Decimals Ex 7.4 Q1

**Answer :**

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

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

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

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

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

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

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

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

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

$$(x) \frac{111}{250} = \frac{111 \times 4}{250 \times 4} = \frac{444}{1000} = 0.444$$

## Decimals Ex 7.4 Q2

**Answer :**

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

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

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

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

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

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

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

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

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

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

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