

**RD SHARMA**

**Solutions**

**Class 6 Maths**

**Chapter 7**

**Ex 7.4**

**Question 1****Express the following fractions as decimals:**

i)  $\frac{23}{10}$

$$2310 = 20+310 = 2010+310 = 2+310 = 2.3$$

ii)  $\frac{139}{100}$

$$139100 = 10+30+9100 = 100100+30100+9100 = 1+310+9100 = 1.39$$

iii)  $\frac{4375}{1000}$

$$43751000 = 4000+300+70+51000 = 40001000+3001000+701000+51000 = 4+310+7100+51000 = 4.375$$

iv)  $12\frac{1}{2}$

$$1212 = 12+12 = 12+1(52)(5) = 12+510 = 12.5$$

v)  $75\frac{1}{4}$

$$7514 = 75+14 = 75+1(254)(25) = 75+25100 = 75.25$$

vi)  $25\frac{1}{8}$

$$2518 = 25+1(1258)(125) = 25+1251000 = 25.125$$

vii)  $18\frac{3}{24}$

$$18324 = 18+324 = 18+18 = 18+125(1125)(8) = 18+1251000 = 18.125$$

viii)  $\frac{3}{9}735$

$$39735 = 39+735 = 39+15 = 39+1(25)(2) = 39+210 = 39.2$$

ix)  $\frac{1}{5}125$

$$15125 = 15+125 = 15+1(1)(425)(4) = 15+4100 = 15.04$$

1.  $\frac{11}{250}$

$$111250 = 111(4250)(4) = 4441000 = 0.444$$

**Question 2****Express the following decimals as fractions in the lowest form:**

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)  $7.125 = \frac{7125}{1000} = \frac{201}{8}$

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

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

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