

RD SHARMA

Solutions

Class 6 Maths

Chapter 7

Ex 7.2

Question 1

i) Five hundred twenty five and forty hundredths

$$525+40/100 = 525.40$$

ii) Twelve and thirty five thousandths

$$12+35/1000 = 12.035$$

iii) Fifteen and seventeen thousandths

$$15+17/1000 = 15.017$$

iv) Eighty eight and forty eight hundredths

$$88+48/100 = 88.48$$

Question 2

i) $137 + \frac{5}{100}$

We have 1 hundred, 3 tens, 7 ones and 5 hundredths. Therefore, the decimal is 137.05

ii) $20+9+\frac{4}{100}$

We have 2 tens, 9 ones and 4 hundredths. Therefore, the decimal is 29.04

Question 3

i) $\frac{8}{100}$

We have 8 hundredths. Therefore, the decimal is 0.08

ii) $\frac{300}{1000}$

In its lowest form, the fraction is $\frac{3}{10}$. We have 3 tenths. Therefore, the decimal is 0.3

iii) $\frac{18}{1000}$

We have eighteen thousandths. Therefore the decimal is 0.018

iv) $\frac{208}{100}$

$$208/100 = 200/100 + 8/100 = 2 + 8/100$$

We have 2 and 8 hundredths. Therefore, the decimal is 2.08

i. $\frac{888}{1000}$

$$888/1000 = 800/1000 + 80/1000 + 8/1000 = 8/10 + 8/100 + 8/1000$$

We have 8 tenths, 8 hundredths and 8 thousandths. Therefore, the decimal is 0.888

Question 4

i) $12\frac{1}{4}$

$$12\frac{1}{4} = 12 + \frac{1}{4}$$

$$= 12 + 254(25) = 12 + 25/100 = 12.25$$

ii) $7\frac{18}{100} = 7 + 18/100$

$$7 + 1(1258)(125) = 7 + 125/1000 = 7.125$$

iii) $5\frac{120}{100} = 5 + 120/100$

$$5 + 1(520)(5) = 5 + 5/10 = 5.05$$

Question 5

i) 0.04

$$= 0 + 0.04$$

$$= 0 + 4/100$$

$$= 0 + 4/100$$

$$= 125$$

ii) $7\frac{1}{8}$

$$2.34$$

$$= 2 + 0.34$$

$$\begin{aligned}
&= 2+34 \text{ hundredths} \\
&= 2+34100 \\
&= 2(100100) + 34100 \\
&= 200100+34100 \\
&= 234100 \\
&= 11750
\end{aligned}$$

$$\text{iii) } 5 \frac{1}{20}$$

$$\begin{aligned}
&0.342 \\
&= 0+342 \text{ thousandths} \\
&= 3421000 \\
&= 171500
\end{aligned}$$

$$\begin{aligned}
&\text{iv) } 1.20 \\
&= 1+0.20 \\
&= 1+20\text{hundredths} \\
&= 1+20100 \\
&= 100100+20100 \\
&= 120100 \\
&= 65
\end{aligned}$$

$$\begin{aligned}
&\text{v) } 17.38 \\
&= 17+0.38 \\
&= 17+38 \text{ hundredths} \\
&= 17+38100 \\
&= 17(100100) +38100 \\
&= 1700100+38100 \\
&= 1738100 \\
&= 86950
\end{aligned}$$

Question 6

- i) Here, we have 2 tens , 9 ones, 4 tenths and 1 hundredths. Therefore , the decimal is 29.41
- ii) Here, we have 3 tens, we have 3 tens, 4 tenths , 8 hundredths and 3 thousandths. therefore , the decimal is 30.483
- iii) Here, we have 1 hundred, 3 tens, 7 ones and 5 hundredths. Therefore , the decimal is 137.05
- iv) Here, we have 7 tenths , 6 hundredths and 4 thousandths . therefore , the decimal is 0.764
- v) Here, we have 2 tens, 3 ones, 2 tenths and 6 thousandths. Therefore , the decimal is 23.206
- vi) Here, we have 7 hundreds, 2 tens, 5 ones and 9 hundredths. therefore , the decimal is 725.09