Exercise - 10 E

1. Divide the following by 10, 100, 1000

a. 12 = 1.2, 0.12, 0.012

b. 75 = 7.5, 0.75, 0.075

c. 1767 = 176.7, 17.67, 1.767

d. 89.76 = 8976, 0.8976, 0.0976

e. 201.2 = 20.12, 2.012, 0.2012

f. 0.89 = 0.089, 0.0089, 0.00089

g. 0.05 = 0.005, 0.0005, 0.00005

h. 0.0076 = 0.00076, 0.000076, 0.0000076

2. Write down the values : a. $64.83 \div 100 = 0.6483$

a. $64.83 \div 100 = \frac{6483}{100} \div 100 = \frac{6483}{100} \times \frac{1}{100} = \frac{6483}{10000}$
$= 0.6483$

b. $328 \div 1000 = \frac{328}{1000} \div \frac{100}{1} = \frac{328}{1000} \times \frac{1}{100} = \frac{328}{100000}$
$= 0.00328$

c. $17.48 \div 10 = \frac{1748}{100} \div \frac{10}{10} = \frac{1748}{100} \times \frac{10}{10} = \frac{1748}{1000} = 1.748$

d. $217.4 \div 100 = \frac{217}{10} \div 100 = \frac{217}{10} \times \frac{1}{100} = \frac{217}{1000} = 0.217$

e. $4648 \div 1000 = \frac{4648}{1} \div 1000 = \frac{4648}{1} \times \frac{1}{1000} = \frac{4648}{1000}$
$= 4.648$

f. $547.8 \div 1000 = \frac{547.8}{10} \times \frac{1}{1000} = \frac{5478}{100000} = 0.5478$

g) $3.6 \div 10000 = \frac{36}{10} \times \frac{1}{10000} = \frac{36}{100000} = 0.00036$

h) $47.6 \div 10000 = \frac{476}{10} \times \frac{1}{10000} = \frac{476}{100000} = 0.00476$