Cosmo School

Class-4

Subject-Mathematics

Chapter-9 (Decimals)

Lecture – 10 (Solution)

1. Convert the decimals into fractions. And if applicable, reduce the answer to get the lowest term.

a) 0.55 b) 0.04 c) 0.75 d) 0.25 e) 0.6 f) 0.075

Solution:

a) $0.55 = \frac{55}{100} = \frac{55 \div 5}{100 \div 5} = \frac{11}{20}$

b) $0.04 = \frac{4 \div 4}{100 \div 4} = \frac{1}{25}$

c) $0.75 = \frac{75 \div 5}{100 \div 5} = \frac{15 \div 5}{20 \div 5} = \frac{3}{4}$

d) $0.25 = \frac{25 \div 25}{100 \div 25} = \frac{1}{4}$

e) $0.6 = \frac{6 \div 2}{10 \div 2} = \frac{3}{5}$

f) $0.075 = \frac{75 \div 25}{1000 \div 25} = \frac{3}{40}$

2. Convert the fractions into decimals.

a) $\frac{7}{20}$ b) $\frac{11}{25}$ c) $\frac{37}{50}$ d) $\frac{1}{4}$ e) $\frac{3}{25}$ f) $\frac{17}{10}$

Solution:

a) $\frac{7}{20} = \frac{7\times5}{20\times5} = \frac{35}{100} = 0.35$

b) $\frac{11}{25} = \frac{11\times4}{25\times4} = \frac{44}{100} = 0.44$

c) $\frac{37}{50} = \frac{37\times2}{50\times2} = \frac{74}{100} = 0.74$

d) $\frac{1}{4} = \frac{1\times25}{4\times25} = \frac{25}{100} = 0.25$

e) $\frac{3}{25} = \frac{3\times4}{25\times4} = \frac{12}{100} = 0.12$

f) $\frac{17}{10} = 1.7$

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