

Exercise-10(A)

10. Convert the following common fractions into decimal fractions:

$$a. \frac{3}{4} = \frac{3 \times 25}{4 \times 25} = \frac{75}{100} = \frac{75}{100} = 0.75$$

$$b. \frac{7}{8} = \frac{7 \times 125}{8 \times 125} = \frac{875}{1000} = 0.875$$

$$c. 15 \frac{1}{4} = \frac{61}{4} = \frac{61 \times 25}{4 \times 25} = \frac{1525}{100} = 15.25$$

$$d. 20 \frac{3}{5} = \frac{103}{5} = \frac{103 \times 2}{5 \times 2} = \frac{206}{10} = 20.6$$

$$e. 17 \frac{3}{16} = \frac{275}{16} = 17 \frac{3}{16} = 17.1875$$

$$f. 8 \frac{21}{40} = \frac{341}{40} = \frac{341 \times 25}{40 \times 25} = \frac{8525}{1000} = 8.525$$

$$g. 58 \frac{5}{64} = \frac{3717}{64} = 58 \frac{5}{64} = 58.078125$$

Exercise-10(A)

11. Convert the following decimal fractions into common fractions:

a. $0.02 = \frac{002}{100} = \frac{1}{50}$

b. $0.175 = \frac{0175}{1000} = \frac{35}{200} = \frac{7}{40}$

c. $7.60 = \frac{760}{100} = \frac{152}{20} = \frac{76}{10} = \frac{38}{5} = 6\frac{2}{5}$

d. $7.625 = \frac{7625}{1000} = \frac{1525}{200} = \frac{305}{40} = \frac{61}{8}$

~~$7\frac{5}{8}$~~

e. ~~$7\frac{3}{8}$~~ $6.125 = 6\frac{125}{1000} = 6\frac{1}{8}$

f. $3.75 = 3\frac{75}{100} = 3\frac{3}{4}$

g. $9.55 = 9\frac{55}{100} = 9\frac{11}{20}$