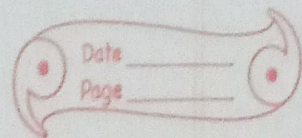


19/2021

Exercise-10 (A)



10) Convert the common fractions into decimal fractions.

$$a) \frac{3}{4} = \frac{3 \times 250}{4 \times 250} = \frac{75}{100} = 0.75$$

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

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

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

$$e) 17 \frac{3}{16} = \frac{275}{16} = \frac{275 \times 625}{16 \times 625} = 17.1875$$

$$\begin{array}{r} 17.1875 \\ 16 \overline{) 275} \\ \underline{16} \phantom{0} \\ 115 \\ \underline{112} \\ 30 \\ \underline{16} \\ 140 \\ \underline{128} \\ 120 \\ \underline{112} \end{array}$$

f)  $8 \frac{21}{40} = \frac{\cancel{341}}{40} = \frac{\cancel{341}}{\cancel{40}}$

$\frac{341 \times 250}{40 \times 250} = \frac{85250}{10000} = 8.5250$

g)  $58 \frac{5}{64} = \frac{3717}{64}$

$= 58.078125$

$$\begin{array}{r} 64 \overline{) 3717} \\ \underline{3200} \\ 517 \\ \underline{512} \\ 500 \end{array}$$

$$\begin{array}{r} \underline{448} \\ 520 \\ \underline{512} \\ 80 \\ \underline{64} \\ 160 \\ \underline{128} \\ 320 \\ \underline{320} \\ 0 \end{array}$$

11) Convert the decimal fraction into common fraction:

$$a) 0.02 = \frac{2}{100} = \frac{1}{50}$$

$$b) 0.175 = \frac{175}{1000} = \frac{35}{200} = \frac{7}{40}$$

$$c) 7.60 = 7 \frac{60}{100} = \frac{760}{100} = \frac{38}{5} = 7 \frac{3}{5}$$

$$d) 7.625 = 7 \frac{625}{1000} = \frac{7625}{1000} = \frac{1525}{200} = \frac{305}{40}$$

$$e) 6.125 = \frac{6125}{1000} = \frac{61}{8} = 7 \frac{5}{8}$$

$$f) 6.125 = \frac{6125}{1000} = \frac{6125}{1000} = \frac{1225}{200} = \frac{245}{40}$$

$$g) 9.55 = \frac{955}{100} = \frac{191}{20} = 9 \frac{11}{20}$$

$$h) 3.75 = 3 \frac{75}{100} = \frac{375}{100} = \frac{75}{20} = \frac{15}{4} = 3 \frac{3}{4}$$

$$i) 9.55 = 9 \frac{55}{100} = \frac{955}{100} = \frac{191}{20} = 9 \frac{11}{20}$$