

21.7.2021

Ex 10(A)

10 Convert the common fraction into decimal fractions

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

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

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

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

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

$$\begin{array}{r}
 17 \overline{) 275.0000} \\
 \underline{16} \\
 110 \\
 \underline{112} \\
 30 \\
 \underline{16} \\
 140 \\
 \underline{128} \\
 120 \\
 \underline{112} \\
 80 \\
 \underline{80} \\
 0
 \end{array}$$

$$f. \quad 8 \frac{21}{40} = \frac{3347.25}{40 \times 25} = \frac{8525}{1000} = 8.525$$

$$g. \quad 58 \frac{5}{64} = \frac{3712}{64}$$

$$\begin{array}{r}
 58.078125 \\
 \hline
 64 \overline{) 3712.000000} \\
 \underline{- 320} \\
 512 \\
 \underline{- 512} \\
 500 \\
 \underline{- 448} \\
 520 \\
 \underline{- 512} \\
 80 \\
 \underline{- 64} \\
 160 \\
 \underline{- 128} \\
 320 \\
 \underline{- 320} \\
 0
 \end{array}$$

12 Convert the decimal fraction into common fraction

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

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

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

$$d) 7.625 = 7 + \frac{625}{1000} = 7 + \frac{25}{40} = 7 + \frac{5}{8}$$

$$e) ~~6.125~~ = 6 + \frac{125}{1000} = 6 + \frac{125}{1000}$$

$$f) 6.6 = 6 + \frac{6}{10} = 6 + \frac{3}{5}$$

$$g) 3.75 = 3 + \frac{75}{100} = 3 + \frac{3}{4}$$

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