

10. Convert the common fractions into decimal fractions -

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

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

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

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

$$e) 17 \frac{3}{16} = \frac{275}{16} \times \frac{625}{625} = \frac{171875}{10000} = 17.1875$$

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

$$g) 58 \frac{5}{64} = \frac{3717}{64} \times \frac{15625}{15625} = \frac{58078125}{10,00,000}$$

$$= 58.078125$$

11. Convert the following decimal fractions into common fractions:

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

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

$$c) 7.60 = \frac{\cancel{760}^{152} \cancel{76}^{38}}{\cancel{100}^{20} \cancel{10}^5} = \frac{38}{5} = 7 \frac{3}{5}$$

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

$$7 \frac{5}{8} \text{ ans}$$

$$e) \textcircled{3} \frac{3}{10} 6.125 = \frac{\cancel{6125}^{1225} \cancel{1225}^{245} \cancel{49}}{\cancel{1000}^{200} \cancel{40}^8} = \frac{49}{8}$$

$$6 \frac{1}{8} \text{ ans}$$

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

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