

25.8.21
Wednesday

5. Convert the following improper fractions into mixed numbers.

a) $\frac{21}{6}$

$$\frac{21}{6} = \frac{Q}{D} = 3 \frac{3}{6}$$

b) $\frac{112}{6}$

$$\frac{112}{6} = \frac{Q}{D} = 18 \frac{4}{6}$$

$$\begin{array}{r} 18 \\ 6 \overline{) 112} \\ \underline{6} \\ 52 \\ \underline{48} \\ 4 \end{array}$$

c) $\frac{123}{6}$

$$\frac{123}{6} = \frac{Q}{D} = 20 \frac{3}{6}$$

$$\begin{array}{r} 20 \\ 6 \overline{) 123} \\ \underline{12} \\ 03 \\ \underline{0} \\ 3 \end{array}$$

d) $\frac{98}{16}$

$$\frac{98}{16} = \frac{Q}{D} = 6 \frac{2}{16}$$

$$e) \frac{105}{14}$$

$$\begin{array}{r|l} & 6 \\ 16 & 98 \\ \hline & 96 \\ & 2 \end{array}$$

$$\frac{105}{14} = \frac{Q}{D} = 7 \frac{7}{14}$$

$$f) \frac{223}{18}$$

$$\begin{array}{r|l} & 12 \\ 18 & 223 \\ \hline & 18 \downarrow \\ & 43 \\ & 36 \\ & 7 \end{array}$$

$$\frac{223}{18} = \frac{Q}{D} = 12 \frac{7}{18}$$

$$g) \frac{445}{15}$$

$$\begin{array}{r|l} & 29 \\ 15 & 445 \\ \hline & 30 \downarrow \\ & 145 \\ & 135 \\ & 10 \end{array}$$

$$\frac{445}{15} = \frac{Q}{D} = 29 \frac{10}{15}$$

$$h) \frac{614}{24}$$

$$\frac{614}{24} = Q \frac{R}{D} = 25 \frac{14}{24}$$

$$i) \frac{305}{85}$$

$$\frac{305}{85} = Q \frac{R}{D} = 3 \frac{50}{85}$$

$$j) \frac{1148}{32}$$

$$\frac{1148}{32} = Q \frac{R}{D} = 35 \frac{28}{32}$$