5 Convert the following improper fractions into mixed fractions.

a. $\frac{21}{6} = 21 \div 6 = 3$

$= \frac{6 \times 3 + 3}{6}$

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

$$\begin{array}{r} 3 \\ 6\overline{)21} \\ -18 \\ \hline 3 \end{array}$$

b. $\frac{112}{6} = \frac{6 \times 18 + 4}{6}$

$= 18\frac{4}{6}$

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

c. $\frac{123}{6} = \frac{6 \times 20 + 3}{6}$

$= 20\frac{3}{6}$

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

d. $\frac{98}{16} = \frac{16 \times 6 + 2}{16}$

$= 6\frac{2}{16}$

```
      6
   ------
16 | 98
   - 96
   ----
      2
```

e. $\frac{105}{14} = \frac{14 \times 7 + 7}{14}$

$= 7\frac{7}{14}$

```
      7
   ------
14 | 105
   - 98
   ----
      7
```

f. $\frac{223}{18} = \frac{18 \times 12 + 7}{18}$

$= 12\frac{7}{18}$

```
      12
   ------
18 | 223
   - 18 ↓
   ------
      43
   - 36
   ----
      7
```

g. $\frac{445}{15} = \frac{15 \times 29 + 10}{15}$

$= 29\frac{10}{15}$

```
      29
   ------
15 | 445
   - 30 ↓
   ------
     145
   - 135
   -----
      10
```

h) $\frac{614}{24} = \frac{24 \times 14 + 25}{24}$

$= 25\frac{14}{25}$

```
      25
24 | 614
   - 48↓
     134
   - 120
      14
```

i) $\frac{305}{55} = \frac{55 \times 3 + 50}{55}$

$= 5\frac{50}{55}$

```
       3
55 | 305
   - 255
     50
```

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

```
       35
32 | 1148
   - 96↓
     188
   - 160
      28
```