$5 \text{ a)} \quad \dfrac{21}{6} = \dfrac{6 \times 3 + 3}{6} = 3\dfrac{3}{6}$

$\text{b)} \quad \dfrac{112}{6} = \dfrac{18 \times 6 + 4}{6} = 18\dfrac{4}{6}$

$\text{c)} \quad \dfrac{123}{6} = \dfrac{20 \times 6 + 3}{6} = 20\dfrac{3}{6}$

$\text{d)} \quad \dfrac{98}{16} = \dfrac{6 \times 16 + 2}{16} = 6\dfrac{2}{16}$

$\text{e)} \quad \dfrac{105}{14} = \dfrac{7 \times 14 + 7}{14} = 7\dfrac{7}{14}$

$\text{f)} \quad \dfrac{223}{18} = \dfrac{12 \times 18 + 7}{18} = 12\dfrac{7}{18}$

$\text{g)} \quad \dfrac{445}{15} = \dfrac{29 \times 15 + 10}{15} = 29\dfrac{10}{15}$

$\text{h)} \quad \dfrac{614}{24} = \dfrac{25 \times 24 + 14}{24} = 25\dfrac{14}{24}$

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i) $\dfrac{305}{85} = \dfrac{3 \times 85 + 50}{85} = 3\dfrac{50}{85}$

j) $\dfrac{1148}{32} = \dfrac{35 \times 32 + 28}{32} = 35\dfrac{28}{32}$

6.

a) $14\dfrac{3}{4} = \dfrac{(14 \times 4 + 3)}{4} = \dfrac{59}{4}$

b) $8\dfrac{6}{7} = \dfrac{(8 \times 7 + 6)}{7} = \dfrac{62}{7}$

c) $24\dfrac{5}{7} = \dfrac{(24 \times 7 + 5)}{7} = \dfrac{173}{7}$

d) $25\dfrac{4}{5} = \dfrac{(25 \times 5 + 4)}{5} = \dfrac{129}{5}$

e) $48\dfrac{5}{8} = \dfrac{(48 \times 8 + 5)}{8} \quad \dfrac{389}{8}$

f) $17\dfrac{7}{9} = \dfrac{(17 \times 9 + 7)}{9} = \dfrac{160}{9}$

$$28 \frac{5}{6} = \frac{(28 \times 6 + 5)}{6} = \frac{173}{6}$$

$$71 \frac{1}{8} = \frac{(71 \times 8 + 1)}{8} = \frac{569}{8}$$

$$100 \frac{3}{4} = \frac{(100 \times 4 + 3)}{4} = \frac{403}{4}$$

$$33 \frac{2}{3} = \frac{(33 \times 3 + 2)}{3} = \frac{101}{3}$$

5 improper fraction with 12
as denominator

① $\frac{18}{12}$, ② $\frac{26}{12}$ ③ $\frac{39}{12}$ ④ $\frac{100}{12}$

⑤ $\frac{110}{12}$

① $\frac{5}{5}$ ② $\frac{6}{6}$ ③ $\frac{100}{100}$ ④ $\frac{4}{4}$ ⑤ $\frac{9}{12}$