Cw 26.8.21

6. Convert the following mixed numbers into improper fo fractions:

(a) $14\frac{3}{4} = \frac{(14 \times 4 + 3)}{4} = \frac{56+3}{7} = \frac{59}{7}$

(b) $8\frac{6}{7} = \frac{(8 \times 7 + 6)}{7} = \frac{168+5}{7} = \frac{173}{7}$

(c) $24\frac{5}{7} = \frac{(24\times7+5)}{7} = \frac{168+5}{7} = \frac{173}{7}$

(d) $25\frac{4}{5} = \frac{(25\times5+4)}{5} = \frac{125+4}{5} = \frac{129}{5}$

(e) $48\frac{5}{8} = \frac{(48\times8+5)}{8} = \frac{384+5}{9} = 389$

(f) $17\frac{7}{9} = \frac{(17\times9+7)}{9} = \frac{125+7}{9} = \frac{132}{9}$

(g) $28\frac{5}{6} \quad \frac{(28\times6+5)}{6} = \frac{168+5}{6} = \frac{176}{6} \quad \frac{173}{6}$

(h) $71\frac{1}{8} \quad \frac{(71\times8+1)}{8} = \frac{568+1}{8} = \frac{568+1}{8} = \frac{569}{8}$

(i) $100\frac{3}{4} \quad \frac{(100\times4+3)}{4} = \frac{400+3}{4} = \frac{400+3}{4} = \frac{403}{4}$

(j) $33\frac{2}{3} \quad \frac{(33\times3+2)}{3} = \frac{99+2}{3} = \frac{101}{3}$

9. Fill in the blanks using > or < make correct statement.

(a) $\frac{5}{14} < \frac{5}{8}$

(b) $\frac{11}{16} < \frac{11}{12}$

(c) $\frac{15}{19} > \frac{15}{23}$

(d) $\frac{33}{40} > \frac{27}{40}$

(e) $\frac{45}{70} > \frac{45}{85}$

(f) $\frac{37}{85} > \frac{37}{90}$

(g) $\frac{67}{79} < \frac{72}{79}$

(h) $\frac{32}{39} > \frac{27}{39}$