Extra Practice – Section 1.3– Add/Subtract Fractions

- This is a process, we require certain steps to be able to accurately operate with the fraction
- Remember that all proper fractions are pieces of a whole (between $0\ and\ 1$)
- what matters is how many pieces you have and of what size

Complete the following, do not be satisfied until you have a firm understanding of concepts

Add or subtract the following fractions, leave all answers in simplified form

1. $\frac{3}{7} + \frac{5}{14}$ $2\cdot$ $2\cdot$ $\frac{21}{14} + \frac{5}{14} = \frac{26}{14} = \boxed{\frac{13}{7}}$	2. $\frac{2}{5} + \frac{7}{20}$ $4\cdot$ $4\cdot$ $\frac{8}{20} + \frac{7}{20} = \frac{15}{20} = \boxed{\frac{3}{4}}$
3. $\frac{13}{3} + \frac{4}{5}$ $\cdot 3$ $5\cdot$ $5\cdot$ $\cdot 3$ $\frac{65}{15} + \frac{12}{15} = \boxed{\frac{77}{15}}$	4. $\frac{9}{13} + \frac{2}{7}$ $\cdot 13$ $7\cdot$ $7\cdot$ $\cdot 13$ $\frac{63}{91} + \frac{26}{91} = \boxed{\frac{89}{91}}$
5. $4\frac{2}{3} + 2\frac{5}{8}$ $8\cdot \frac{14}{8\cdot 3} + \frac{21\cdot 3}{8\cdot 3}$ $\frac{112}{24} + \frac{63}{24} = \boxed{\frac{175}{24}}$	6. $1\frac{6}{7} + \frac{17}{6}$ $6\cdot \frac{13}{6\cdot 7} + \frac{17\cdot 7}{6\cdot 7}$ $\frac{78}{42} + \frac{119}{42} = \boxed{\frac{197}{42}}$

7. $-2\frac{3}{7}-\frac{4}{9}$	8. $\frac{20}{40}-\frac{13}{26}$
9. $3\frac{2}{9}-\frac{12}{6}$	10. $\frac{2}{3}-\frac{4}{9}+\frac{5}{6}-2\frac{1}{2}$
Will the following two operation be less than one or greater than or equal to one? Don't solve, explain.	
11. $\frac{2}{3}+\frac{2}{9}$	12. $\frac{1}{3}+\frac{2}{6}+\frac{5}{15}$