Adding and Subtracting Fractions

Section A – Denominators are the same							
1.	$\frac{3}{5}+\frac{1}{5}$	2.	$\frac{8}{9}-\frac{1}{9}$	3.	$\frac{3}{10}+\frac{5}{10}$	4.	$\frac{15}{21}-\frac{8}{21}$
5.	$\frac{5}{12}-\frac{1}{12}$	6.	$\frac{2}{6}+\frac{1}{6}$	7.	$\frac{6}{7}-\frac{3}{7}$	8.	$\frac{2}{5}+\frac{1}{5}$
9.	$\frac{2}{7}+\frac{8}{7}$	10.	$\frac{3}{13}+\frac{2}{13}$	11.	$\frac{5}{8}+\frac{2}{8}$	12.	$\frac{7}{15}+\frac{4}{5}$

Section B – Denominators the different							
1.	$\frac{3}{8}+\frac{1}{4}$	2.	$\frac{8}{9}-\frac{1}{3}$	3.	$\frac{3}{5}+\frac{7}{10}$	4.	$\frac{5}{7}-\frac{8}{21}$
5.	$\frac{3}{4}-\frac{1}{12}$	6.	$\frac{2}{5}+\frac{7}{20}$	7.	$\frac{4}{7}-\frac{2}{35}$	8.	$\frac{1}{4}+\frac{3}{16}$
9.	$\frac{5}{7}-\frac{2}{49}$	10.	$\frac{5}{24}+\frac{3}{8}$	11.	$\frac{5}{16}+\frac{1}{2}$	12.	$\frac{1}{25}+\frac{4}{5}$

Section C – Denominators are different							
1.	$\frac{3}{5}+\frac{1}{7}$	2.	$\frac{1}{9}+\frac{2}{5}$	3.	$\frac{1}{2}+\frac{1}{3}$	4.	$\frac{5}{6}-\frac{3}{8}$
5.	$\frac{5}{8}-\frac{1}{12}$	6.	$\frac{2}{5}+\frac{1}{4}$	7.	$\frac{2}{3}-\frac{3}{7}$	8.	$\frac{2}{3}+\frac{1}{5}$
9.	$\frac{5}{7}+\frac{3}{5}$	10.	$\frac{3}{4}+\frac{2}{3}$	11.	$\frac{5}{8}+\frac{2}{3}$	12.	$\frac{7}{12}+\frac{4}{5}$

Section D – Worded Questions *You must show your working*	
1.	Andy and Bob have a pizza each. After they have eaten some of their pizzas, Andy has $\frac{1}{3}$ of his pizza left and Bob has $\frac{1}{4}$ of his left. What fraction of pizza do they have left in total?
2.	Charlene has a bag of sweets. She gives $\frac{2}{5}$ to her friend and eats $\frac{1}{4}$. What fraction of the bag of sweets does Charlene have left?
3.	Dave and Ed are putting together bags of marbles to sell for charity. Dave has $\frac{3}{5}$ of a bag left over and Ed has $\frac{2}{3}$ of a bag left. Can they combine what they each have left to make another bag?
4.	Freya wants to make two cakes. She has $\frac{3}{4}$ of a bag of flour. The first cake requires $\frac{2}{5}$ of a bag of flour and the second cake needs $\frac{3}{10}$ of a bag of flour. Does Freya have enough flour to make both cakes

Section E - Denominators are different							
1.	$1\frac{1}{2}+\frac{1}{4}$	2.	$2\frac{2}{3}+\frac{2}{9}$	3.	$1\frac{3}{5}+3\frac{7}{10}$	4.	$2\frac{1}{6}+1\frac{1}{3}$
5.	$2\frac{1}{3}+1\frac{2}{5}$	6.	$4\frac{5}{7}+2\frac{1}{4}$	7.	$1\frac{5}{6}+2\frac{3}{4}$	8.	$3\frac{1}{4}+2\frac{7}{9}$

Section F - Denominators are different							
1.	$1\frac{1}{2}-\frac{1}{4}$	2.	$2\frac{2}{3}-\frac{2}{9}$	3.	$4\frac{3}{5}-3\frac{7}{10}$	4.	$2\frac{1}{6}-1\frac{1}{3}$
5.	$2\frac{1}{3}-1\frac{2}{5}$	6.	$4\frac{5}{7}-2\frac{1}{4}$	7.	$3\frac{5}{6}-2\frac{3}{4}$	8.	$3\frac{1}{4}-2\frac{7}{9}$

Section G - Denominators are different	
1.	George's van can carry a maximum of 5 tonnes. George needs to deliver two loads weighing $3\frac{1}{4}$ tonnes and $1\frac{5}{6}$ tonnes. Can George take both loads at once? *(You must show your workings)*
2.	Harriet is sowing grass seed in her garden. She has $1\frac{2}{3}$ bags of grass seed. Her front garden needs $\frac{7}{8}$ of a bag and the back garden needs $\frac{5}{6}$ of a bag. Does Harriet have enough grass seed? *(You must show your workings)*