Adding and subtracting fractions 3

Practise

1) 8/11 + 5/11
2) 5/9 + 2/9
3) 4/5 – 1/5
4) 3/10 + 4/10
5) 7/12 – 3/12
6) 3/8 + 1/8

Fluency

Fill in the missing fractions

1) 3/7 + ?/? = 1
2) ?/? – 2/6 = 1/6

Draw diagrams to represent the following problems:

3) 6/10 + 3/10
4) 4/5 + 3/5

Reasoning

1) The answer to a question is 4/9; what is the question?
2) True or false?
   5/12 + 3/12 = 8/12
   5/12 + 3/12 = 8/24
   5/12 + 3/12 = 4/6

Explain your reasoning.

Problem solving

1) Joanne chooses two fractions and subtracts the smaller one from the bigger one. Her answer was 1/6. What fractions could Caroline have chosen? How many ways can you find to do it?

2) Find three ways to complete each calculation:
   ?/? + ?/? = 8/9
   ?/? - ?/? = 8/9