Assignment - Multiplying Fractions Using Models and Adding/Subtracting Fractions

Part 1: Multiplying

Solve the following using a model of your choice **(2 marks each)**

1. $\frac{3}{4} \times \frac{2}{5}$

2. $\frac{3}{4} \times \frac{12}{15}$

3. $\frac{4}{5} \times \frac{10}{18}$

4. $\frac{1}{2} \times \frac{4}{12}$

5. $\frac{1}{4} \times \frac{8}{9}$

6. $\frac{5}{9} \times \frac{18}{24}$

7. $\frac{2}{3} \times \frac{15}{20}$

8. $\frac{3}{4} \times \frac{1}{8}$

9. $\frac{3}{6} \times \frac{4}{5}$

10. $\frac{3}{5} \times \frac{4}{6}$

Part 2: Adding and Subtracting

Solve the following. Show all your work to ensure you receive full marks (**2 marks each**)

1. $\frac{7}{4} - \frac{8}{5}$

2. $\frac{23}{2} + \frac{9}{4}$

3. $\frac{8}{3} - \frac{3}{2}$

4. $\frac{5}{2} - \frac{13}{12}$

5. $\frac{3}{2} - \frac{9}{7}$

6. $\frac{7}{10} + \frac{2}{5}$

7. $2\frac{3}{4} + 1\frac{1}{5}$

8. $3\frac{1}{4} - 2\frac{3}{8}$

9. $3\frac{1}{2} - 1\frac{1}{2}$

10. $5\frac{1}{2} + 5\frac{1}{4}$

11. $1\frac{10}{11} - 1\frac{1}{3}$

12. $1\frac{5}{12} + 3\frac{1}{3}$