Secondary Session 4 Homework

Q1. What is the value of $\frac{1}{2} + \frac{1}{3}$?

a) $\frac{2}{5}$	b) $\frac{1}{6}$	c) $\frac{3}{6}$	

For each incorrect answer state the possible misconception.

Q2. What is the value of $\frac{1}{2} - \frac{1}{3}$?

a) $\frac{2}{5}$	b) $\frac{1}{6}$	c) $-\frac{1}{6}$	

For each incorrect answer state the possible misconception.

Q3. What is the value of $\frac{2}{5} \times \frac{1}{3}$?

a) $\frac{11}{15}$	b) $\frac{2}{15}$	c) $\frac{1}{15}$	

For each incorrect answer state the possible misconception.

Q4. What is the value of $\frac{3}{5} \div \frac{2}{3}$?

a) $\frac{6}{15}$	b) $\frac{10}{9}$	c) $\frac{9}{10}$	

For each incorrect answer state the possible misconception.

Q5. Find the missing digits such that $537 \times \square = 4\square\square6$

Q6. Use 1 to 9 only once so you obtain the row and column products as shown

			48
			105
			72
96	45	84	

Q7. Insert brackets to make these equations work:

a) $2 + 5 \times 6 = 32$
b) $20 - 5 - 2 - 1 = 20$
c) $4 \times 5 + 10 \div 2 = 15$

Q8. Find the value of x such that:

$$\frac{1}{2} - \frac{1}{4} + \frac{1}{8} - \frac{1}{16} + \cdots - \frac{1}{1024} = \frac{x}{1024}$$