Name:

These ten questions are worth 5 points each. To get all 5 points it is very important that you show clearly all your working out and reasoning. Put a box around the answer. (If your answer is a fraction it should be reduced to lowest terms and and improper fractions converted to mixed numbers.) You may not use a calculator.

Q1. Convert to a mixed number: $\dfrac{47}{6}$

Q2. Multiply $\dfrac{10}{33}$ by $\dfrac{9}{11}$

Q3. (a) Find the greatest common factor, GCF, of 80 and 200

(b) Reduce the fraction $\dfrac{80}{200}$ to lowest terms

Q4. Multiply: $3\dfrac{2}{3} \cdot 5\dfrac{1}{2} \cdot \dfrac{9}{11}$

Q5. Find the sum: $\dfrac{1}{5} + \dfrac{1}{6} + \dfrac{3}{10}$

Q6. Find the difference: $\dfrac{11}{12} - \dfrac{5}{18}$

Q7. Put these fractions in decreasing order: $\dfrac{2}{3}, \dfrac{7}{10}, \dfrac{19}{30}$

Q8. Calculate: $\dfrac{5}{6} \div \dfrac{6}{7}$

Q9. Find the perimeter of a rectangle that is 6 feet 9 inches long and 2 feet 7 inches wide.

Q10. Calculate: $\left(\dfrac{3}{4}\right)^2 - \left(2 - 1\dfrac{1}{2}\right) \div \dfrac{4}{3}$