

- 1) Find the Common Factor (GCF) and the Least Common Multiple (LCM) of

i) 630 and 1134 [2marks]

ii) 2304 and 2400 [2marks]

- 2) Simplify

i)  $\frac{1}{2304} - \frac{1}{2400}$  ( you can use one of your results to question 1 ) [1marks]

ii)  $\frac{42}{99} + \frac{140}{22} - \frac{803}{121}$  [1marks]

iii)  $\frac{3}{7} + \frac{12}{28} - \frac{9}{35}$  [1marks]

- 3) Simplify

i)  $\frac{3}{2 - \frac{3}{4 + \frac{1}{5}}} \div \frac{1}{2 + \frac{4}{2 - \frac{1}{4}}}$  [2marks]

ii)  $\frac{\frac{2}{\frac{1}{4} - \frac{1}{6}}}{\frac{1}{\frac{3}{4} - \frac{2}{3}}}$  [2marks]

- 4) Simplify

$$\frac{3^{15} \times 2^8 \times 5^6}{5^5 \times 18 \times 3^{12} \times 2^7} \quad [1marks]$$