

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

i) 420 and 392

ii) 1456 and 2160

2) Simplify

i)  $\frac{1}{420} + \frac{1}{392}$  ( you can use your result to question 1.i )

ii)  $\frac{18}{99} + \frac{120}{22} - \frac{10}{121}$

iii)  $\frac{4}{7} + \frac{12}{28} - \frac{9}{35}$

3) Simplify

1) 
$$\frac{1}{1 - \frac{1}{1 + \frac{1}{2}}} + \frac{1}{1 + \frac{1}{1 - \frac{1}{2}}}$$

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

4) Solve ( find  $x$  )

1) 
$$\frac{10}{2x - 4} + \frac{4}{x} = \frac{5}{x - 2}$$

2) 
$$1 - \frac{3x + 3}{3x + 4} = \frac{1}{3x + 4}$$