a)

In a factory, a machine has three coloured lights.
The green light flashes every 5 seconds.
The yellow light flashes every 8 seconds.
The red light flashes every 12 seconds.

Sam sees the lights flash at the same time.
After how many seconds will they all flash at the same time again?

b)

Beck wants hot dogs at their birthday party.
Hot dogs are sold in tins of 8, and hot dog buns are sold in packs of 6.

Beck's parents will need to buy exactly the same number of hot dogs and hot dog buns.
What is the smallest number of tins of hot dogs that they can buy?
What is the smallest number of packets of hot dog buns they can buy?

c)

A group of pupils can be arranged in groups of 3, 4, 6 or 8 without a pupil being left by themselves.
What is the least number of pupils for which this is possible?

BACKWARD FADED MATHS