a)
Frances is running a game at the local fayre to raise money for charity.
In the game, you roll two tetrahedral dice (four-sided) and find their sum. If their sum is less than 4, you win an ice lolly.
The game costs 50p to play and the ice lollies cost Frances £2 for 9.
240 people are expected to play the game.
How much money should Frances expect to raise for charity?

b)
Morgan is running a game at the local fayre to raise money for charity.
In the game, you pick a lollipop at random from an 8×8 array of lollipops. If your lollipop is red at the bottom of the stick, you win the lollipop.
$\frac{1}{4}$ of the lollipops have a red bottom, and when one is picked out, it is replaced with another.

The game costs 20p to play and the lollipops cost Morgan £1 for a bag of 12.
240 people are expected to play the game.
How much money should Morgan expect to raise for charity?

BACKWARD FADED MATHS

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