

PART I:

① According to Google, who is the greatest mathematician?

EULER

② Which undergrad institution did Dennis Deturk graduate from?

DREXEL

③ Which university did S from RSA get his PhD?

WEIZMANN INSTITUTE

PART 2:

① $x = \frac{7}{12} \quad \frac{1}{x} = \frac{12}{7} \quad \text{ceil}\left(\frac{12}{7}\right) = 2$

(a)

$$\frac{1}{2} + \text{EF}\left(\frac{7}{12} - \frac{1}{2}\right) = \frac{1}{2} + \text{EF}\left(\frac{1}{12}\right)$$

$$\Rightarrow \frac{1}{2} + \frac{1}{12}$$

(b) This is better because each of the 7 people get $\frac{1}{2}$ of a pizza plus another $\frac{1}{4}$ of the pizza. This would be simpler than dividing the pizza into 12 where each person gets $\frac{1}{2}$ and then having to divide the pizza into 12ths.

② (a) 7 (?)

NOT SURE, NEED TO STUDY MORE