

January 21st

$$\frac{8}{9}, \frac{2}{3} \text{ and } \frac{13}{45}$$

First, put them all over a common denominator (45 will do it!)

$$\frac{8}{9} = \frac{40}{45}$$

$$\frac{2}{3} = \frac{30}{45}$$

$$\frac{13}{45} = \frac{13}{45}$$

The LCM of the fractions will be the LCM of 30, 40 and 13, over 45.

By inspection LCM of 30 and 40 = 120.

LCM of 120 and 13 = $120 \times 13 = 1560$

$$\text{So LCM} = \frac{1560}{45} = \frac{140}{3} \text{ or } 46 \frac{2}{3}$$