space of logical address =
$$\log_2[\text{num of pages}] \times (\text{page Size})$$

$$= \sum_{num of bits} = 2^8 \times (2^2 \times 2^{10}) = 2^{20} \implies \text{num of bits} = 20$$

space of physical address = $\log_2[\text{num of frames}] \times (\text{frame siz})$

$$= \sum_{num of bits} = 2^6 \times (2^2 \times 2^{10}) = 2^{18} \implies \text{num of bits} = 18$$

Scanned with CamScanner