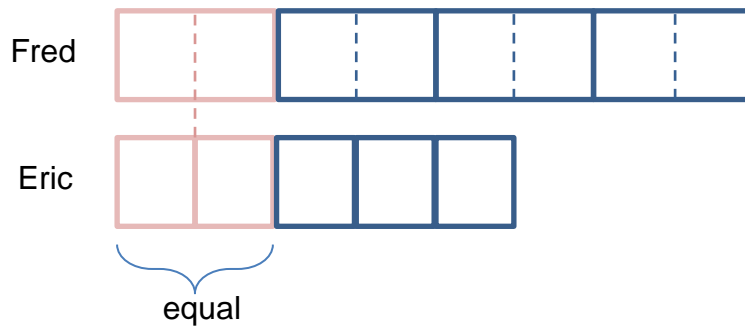


## Weekly Question (21 Feb)

Farmer Eric and Farmer Fred rear sheep. 40% of Farmer Eric's sheep is equal to 25% of Farmer Fred's sheep. Who has more sheep, and how many percent more?

### Solution:

$$40\% = \frac{2}{5}; 25\% = \frac{1}{4} = \frac{2}{8}$$



Fred's sheep → 8 units

Eric's sheep → 5 units

Difference of  $8 - 5 = 3$  units

Fred has 3 more units of sheep than Eric (who has 5 units).

$$\frac{3 \text{ units}}{5 \text{ units}} \times 100\% = 60\% \quad \left(\frac{3}{5} = \frac{60}{100}\right)$$

Ans: **Fred** has more sheep, **60% more** sheep than Eric.

Alternative:

40% of Farmer Eric's sheep is equal to 25% of Farmer Fred's sheep

<u>Eric</u>	:	<u>Fred</u>
25	:	40
= 5 units	:	8 units

Fred's sheep → 8 units  
Eric's sheep → 5 units

Difference of  $8 - 5 = 3$  units

Fred has 3 more units of sheep than Eric (who has 5 units).

$$\frac{3 \text{ units}}{5 \text{ units}} \times 100\% = 60\% \quad \left(\frac{3}{5} = \frac{60}{100}\right)$$

**Ans: Fred has more sheep, 60% more sheep than Eric.**