

25 Let 'A' has x pencils and 'B' has 'y' pencils.

According to first condition,

$$2(x-10) = y+10$$

$$\therefore 2x - 20 = y + 10$$

$$\boxed{\therefore 2x - y = 30} \text{ ————— } \textcircled{\text{I}}$$

According to 2nd condition,

$$y - 10 = x + 10$$

$$\boxed{\therefore y - x = 20}$$

i.e

$$\boxed{-x + y = 20} \text{ ————— } \textcircled{\text{II}}$$

Adding $\textcircled{\text{I}}$ and $\textcircled{\text{II}}$ we get,

$$\boxed{x = 50}$$

Substituting $x = 50$ in $\textcircled{\text{II}}$ we get,

$$-50 + y = 20$$

$$\boxed{\therefore y = 70}$$

\therefore A has 50 pencils and B has 70 pencils.