

14. Shilpa's age 3 years ago = x years

Shilpa's present age = $(x+3)$ years

Arpita's present age = $3(x+3)$ years
(d)

15. let multiples be $x, x+7, x+14$
where x is a multiple of 7
acc. to condition

$$x + x + 7 + x + 14 = 357$$

$$\Rightarrow 3x = 357 - 21$$

$$\Rightarrow x = \frac{336}{3} = 112$$

\therefore smallest multiple = $x = 112$ (a)

16. largest

17. $3x - 4 = 1 - 2x$

$$\Rightarrow 5x = 5$$

$$\Rightarrow x = \frac{5}{5}$$

$$= \underline{1}$$