# Simple Equations (Revision)

**Example:**

Ram's father is 3 times as old as his son Ram. After 15 years, he will be twice the age of his son. Form an equation and solve it.

Solution: Let Ram's age be x.

⇒ His father's age is 3x.

After 15 years:

$\Longrightarrow 3x+15=2(x+15)$

On solving,

$\Longrightarrow 3x+15=2x+30$

$\Longrightarrow 3x-2x=30-15$

$\therefore x=15$

**Hence Ram's age be x. = 15 years & His father's age is 3x. = 3 x 15 = 45 years.**

**Do your Self**

**Q. A man is 4 times as old as his son. After 16 years he will be only twice as old as his son. Find their present ages.**

**Q. Teena is 3 years younger than his brother. If the sum of their ages is 32 years. What are their present ages?**

## Fill in the blanks

1. A number is as much greater than 31 as it is less than 81. The number is _____.
2. If 2(2n + 5) = 3(3n - 10), then n = _____
3. Two complementary angles differ by 20 degree. The smaller angle is _____ degree.
4. Two supplementary angles differ by 40 degree. The measure of the larger angle is _____degree.
5. Twice a number when increased by 7 gives 25. The number is _____.
6. Two third of a number is greater than one third of the number by 5. The number is _____.
7. If the sum of a number and its two fifth is 70. The number is _____.
8. 2/3 of a number is less than the original number by 20. The number is _____.