

Can the machine produce in 1 hour?

- 4) In the school library, the ratio of science books to social studies books is the same as the ratio of social studies books to maths books. If there are 450 books in science and 300 books in social studies, find the number of books on maths.

5) a) In Comparing two Causes, if one increase and other one will decrease, then it is called \_\_\_\_\_ proportion.

b) In Comparing two Causes, if one increase and other also will increase, then it is called \_\_\_\_\_ proportion.

## 2. Equations

1) Write an equation:

- (i) Twice of a number added to four gives 30.
- (ii) The sum of 3 times a number plus -7 is 14.
- (iii) A number when divided by 3 and added to itself equals 12.

2) Check if  $x = 4$  is the solution of the equation  $2x + 7 = 15$ .

3) Find the value of  $x$  :  

$$\frac{2x}{4} - 3.2 = 1.8$$

4) The coefficient of  $x$  in the equation  $5x + 3 = 18$  is \_\_\_\_\_.