

- Find the rule which gives the number of matchsticks required to make the following matchstick pattern.
  - A pattern of letter T
  - A pattern letter Y
  - A pattern of letter E
- The cost of one pen is ₹ 20. Find the cost of  $x$  pens.
- There are 5 girls standing in a row. If  $x$  rows are made and still 3 girls are left, find the total number of girls in terms of  $x$ .
- Write the statement for the given expression
  - $z + 5$
  - $2x + 3$
  - $\frac{2x}{3}$
  - $8 - 2x$
- Give expression for the following statement
  - 3 subtracted from twice of p
  - Multiply  $x$  and  $y$  and then add 7 to it
  - 4 divided by  $z$
  - 30 less than twice the sum of  $x$  and  $y$ .
- Check which of the following are equations (with variable). Also identify the variable in the equation.
  - $12 = x + 5$
  - $(t - 5) > 9$
  - $7 = (11 \times 2) - (3 \times 5)$
  - $15 - 2x = 7$
  - $\frac{3q}{7} < 5$
- Check if  $x = 2$  is the solution of the given equations
  - $15x = 60$
  - $9x + 5 = 16$
  - $7x + 5 = 21$
  - $4x + 7 = 11$
- Pick out the solution from the values given in the bracket. Show that the other values do not satisfy the equation
  - $5m = 25$  (2, 5, -5)
  - $\frac{q}{2} = 7$  (7, 2, 14)
  - $5m + 15 = 20$  (1, 5, -5)
  - $7x - 7 = 7$  (1, 2, 3)