LINEAR EQUATIONS IN TWO-VARIABLES - CLASS - 9





I am MOHAMMED YUSUF SHADIK

I am here because I love to give presentations. You can find me at @username



- > The students **recall** the linear equations in one variable.
- The students know the standard form of linear equations in two variables.
- The students will express the given problem mathematically in linear equations in two variables.
- The students will learn how to solve linear equations in two variables.
- > The students will **solve** the problem.
- > The students will **evaluate** the solution of the given problem.



Linear Equation: x+1 = 0 is an example for linear equation in one variable. Condiser 2x+5 = 0. The solution to this equation is x = -5/2. This can be represented in a number line.

POINTS TO REMEMBER

The solution of the linear equation is not affected when (i) the same number is added to (Or subtracted from) both the sides of the equation. (ii) You multiply or divide both the sides of the equation by the same non-zero number



A PICTURE IS WORTH A THOUSAND WORDS



Suppose in a ODI cricket match, two Indian batsmen together scored 176 runs. Express this in the form of an equation.

Let us denote the score of the two batsmen as x and y. As the score of neither of them is known, we express this as x + y = 176.

class-9 Exencise 4.2 D Let the cost of the pen be x. Let the cost of the notebook be y. By Gilven condition, $y = 2 \varkappa .$ $\therefore \qquad 2 \varkappa - y = 0.$ Let the cost of the per be any Let the cost of the notebook be yx. By Given condition, (Or) : x-2y=0. 2 1) 2x+34=9.35 221 +3y - 9.35 =0 R=2; b=3; c=-9.35 1) x - y - 10=0 a=1; b=-1; c=-10 (iii) -2x+3y=6 -221+34-6=0 a=-2; b=3; c=-6. (1) x= 3y x-3y=0 R=1 ; b= -3 ; C=0. (V) 2x =-5y 2x+5y=0. a=2; b=5; c=0 (M) 3x+2=0, 3x+0.y+2=0. a=2; b=0; c=2

7

CONTINUED...

IF JASS M (ii) y-2=0. 0.x + 1.y - 2=0 a=0; b=1; c=-2(Viii) 5=2x -2x+0.y+5=0 a=-2; b=0; c=5.



Any questions?

You can find me at @username user@mailme



SlidesCarnival icons are editable shapes.

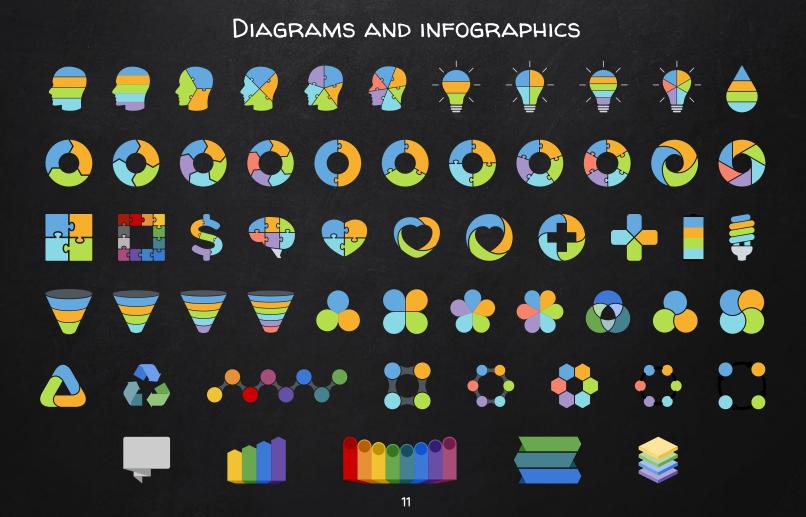
This means that you can:

- Resize them without losing quality.
- Change fill color and opacity.

Isn't that nice?:)

Examples:

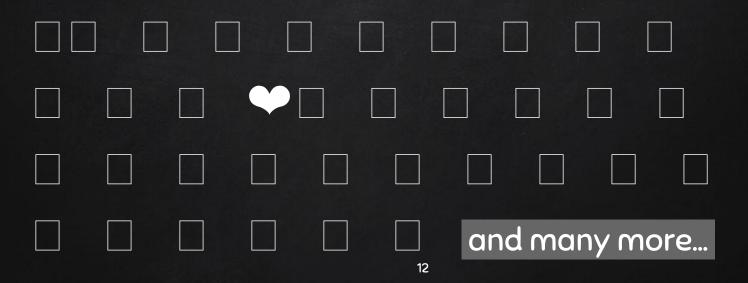






Now you can use any emoji as an icon! And of course it resizes without losing quality and you can change the color.

How? Follow Google instructions <u>https://twitter.com/googledocs/status/730087240156643328</u>



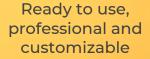


Free templates for all your presentation needs



$\sum_{n=0}^{\infty}$

100% free for personal or commercial use



Blow your audience away with attractive visuals