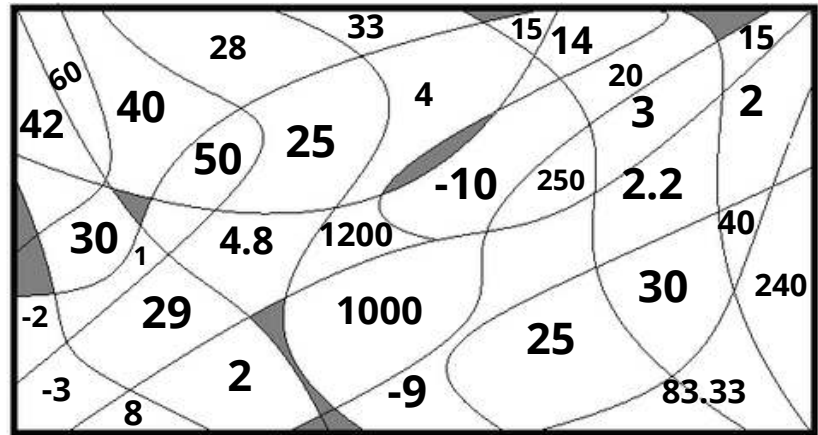# Answer, find & shade

Important Equations You Should Know

Fill in the charts, search the picture, and only shade in the answers that you wrote in each chart.

Almost every country in the world uses celsius as the unit of measure for temperature. The united states is one of the few exceptions and they are fahrenheit. Below is a celsius and fahrenheit chart which is missing information. use the equation below to fill in the chart.

$$F = \frac{10}{5} C + 30$$

F	C
50	10
80	
12	
	0
88	
	15
	-5

The picture contains the following numbers: 28, 33, 15, 14, 15, 60, 40, 4, 20, 3, 2, 42, 50, 25, 10, 250, 2.2, 40, 30, 1, 4.8, 1200, 30, 240, -2, 29, 1000, 25, -3, 2, -9, 83.33, 8

The percent of change equation is used a lot in business and statistics . it is used to find out how much something has changed over time. The final answer is in a percent. if the percent is negative then the change has decreased and if it is positive it has increased. Below is a percent of change chart. use the information and the equation below to fill in the chart.

$$\text{Percentage of change} = \frac{\text{Change}}{\text{Original Amount}} \times 100$$

% change	original amount	change
10%	30	3
	6	5
-60%		-3
	10	2.8
80%	5	

The distance , rate , and time equation is used often in the real world. you might have used it without even knowing. it can help you determine how far you've gone, how much time it will take to get from one place to another, or tell you have fast you are going. Below is a distance, rate, and time chart. use the information and the equation below to fill in the chart.

$$d = r \times t$$

d	r	t
30km	10km/h	3h
	500km	2h
98km		7h
	12km/h	20h
480km	100km/h	

The slope ratio is based on the coordinate system. it uses the rise or the change in the y-coordinates, and the run or the change in the x-coordinates to determine the steepness or slant of a line. it also tells us if a line is increasing(goes up from left to right) or decreasing(goes down from left to right). use the information and the equation to fill in the chart to the right.

$$m = \frac{\text{rise}}{\text{run}}$$

m	run	rise
1/2	8	4
	4	8
4 1/2	2	
1/4		10
25	8	200