Example Math Questions

(Use of calculator recommended)

-9 + (-5) =

(2.6)(0.3) =

3^4 =

Evaluate $\sqrt{(a + b)}$ when a = 65 and b = 16

$4^3 + 12 - 2(5 - 9) =$

Solve: 3x + 6 = 12   x = _____

Amy drives 330 miles using 15 gallons of gas. How many gallons of gas should she expect to use driving 462 miles?

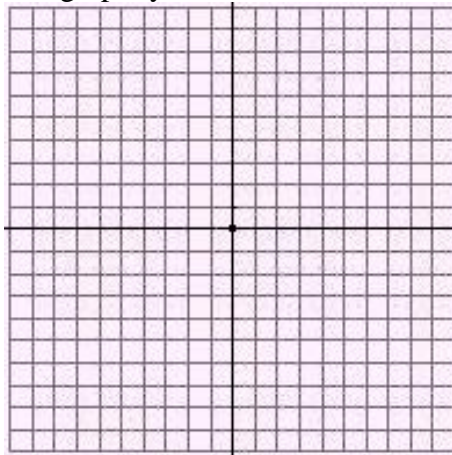$$\frac{15}{330} = \frac{x}{462}$$

Write 57% as a decimal:

Write the fraction 3/8 as a percent:

What is 20% of 60?

Complete the table of values and graph y = 2x + 1

X	Y
-2	
-1	
0	
1	
2	

What is the slope (m) and y-intercept (b)?

Y = (⅔)x + 3   m =   b =

What is f(2) ? $f(x) = \dfrac{3(x^2) + x}{2(x) + 3}$

Multiply: $(3x^4)(9x^3) =$

Multiply: $(x + 3)(x + 5) =$

What is the LCM (least common multiple) of 2 & 5?

Factor: $x^2 + 10x + 25$

What is the length and width of a room?
 L = 4W
 80 = 2L + 2W
  L =   W =

Factor: $x^2 + 5x + 6 = 0$

 (   )(   ) = 0

Graph: $y = x^2 + 1$