

1st 9 WEEKS MATH PROJECT

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This is our 1st 9 week project our objective is to teach people, to write, and solve equations and a equation is a statement that two expressions are equal

sources <http://www.merriam-webster.com/dictionary/equation>



$$4x = \frac{2}{5}$$

$$x = \frac{2}{5} \text{ divided by } 4$$

$$x = \frac{2}{5} \text{ divided by } \frac{4}{1}$$

$$x = \frac{1}{10}$$



$$x - \frac{1}{4} = \frac{2}{5}$$

$$+ \frac{1}{4} \quad + \frac{1}{4}$$

$$x = \frac{13}{20}$$



$$15 - \frac{2}{3}x = 20$$

$$20 - 15 = 5$$

$$-\frac{2}{3}x = 5 \qquad \frac{2}{3} = .6$$

$$\frac{2}{3} + \frac{1}{3} = \frac{3}{3} = x$$

$$5 \times .3 = 1.5 \quad 5 + 1.5 = 6.5$$

$$x = -6.5$$



$$5 - 2(x-3) = -23$$

$$-23 - 5 = -28$$


$$-2(x-3) = -28$$

$$-2x - 6 = -28$$

$$-28 - 6 = -34$$

$$-2x = -34$$

$$-34 / -2 = 17$$

$$X = 17$$


Writing Equations

Bob bought twenty cookies and a cake that was \$30. Dave bought two of the same cakes and some cookies. How many cookies did Dave buy if the money they spent were equal and cookies cost \$5 each?

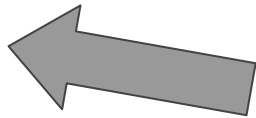
$$30+100=60+5x$$

$$130-60= 70$$

$$70/5=14$$

$$X= 14!!!$$

Bob has a \$30 cake so i add that to the 20 cookies that are multiplied by 5 to get 100 and then dave has 2 cakes that are 30 so $30 \times 2 = 60$ and add the $5x$ because each cookie cost 5 dollars and x is the variable we have to find.



after making the problem into a equation i subtracted 60 from 130 to get 70 then divided 70 by 5 to get 14

