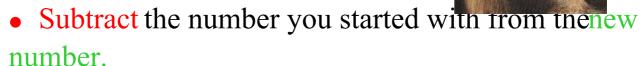
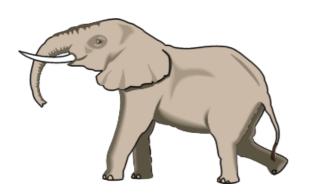
- Think of a number (1 or 2 digits)
- Double it
- Add 8
- Divide by 2to get a new number



- Find the letter that corresponds in the alphabet. (A = 1, B = 2, C = 3, etc.)
- Think of a country beginning with that letter.
- Take the second letter of the name of that country, and think of an animal starting with that letter.
- Think of the color of that animal.

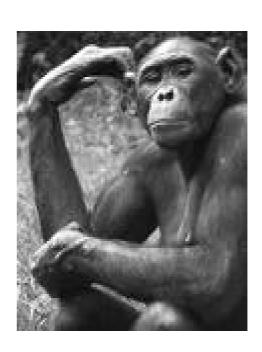
## Was it a gray elephant in Denmark?





## Let's try another . . . .

- Choose a number
- Add 5
- Double the result
- Subtract 4
- Divide the result by 2
- Subtract the number you started with



3

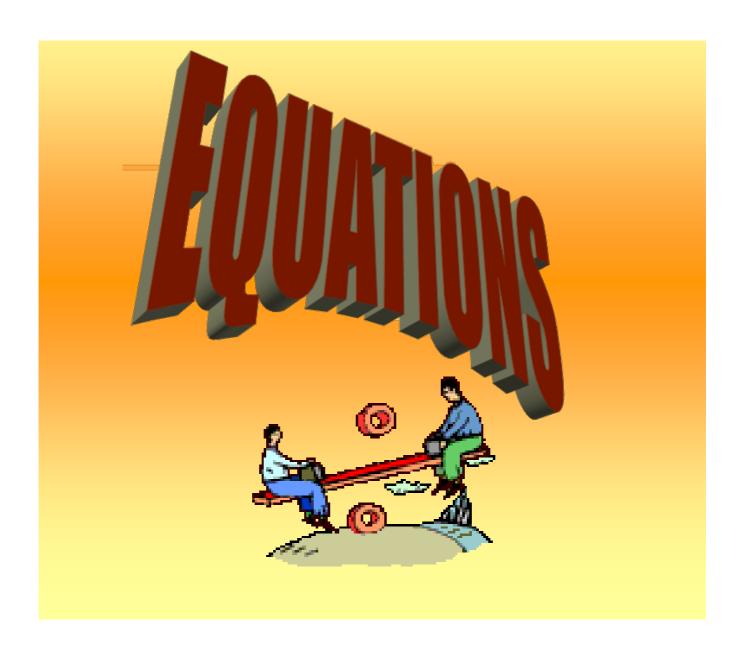


## Algebra can explain these tricks:



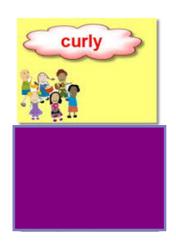
x + 3

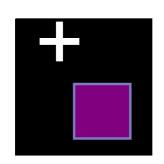
- Choose a number
- Add 5
- Double the result
- Subtract 4
- Divide the result by 2
- x + 5 2(x + 5) 2x + 10 4 2x + 6
- Subtract the number you started with x + 3 x



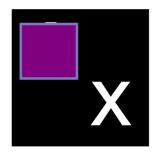


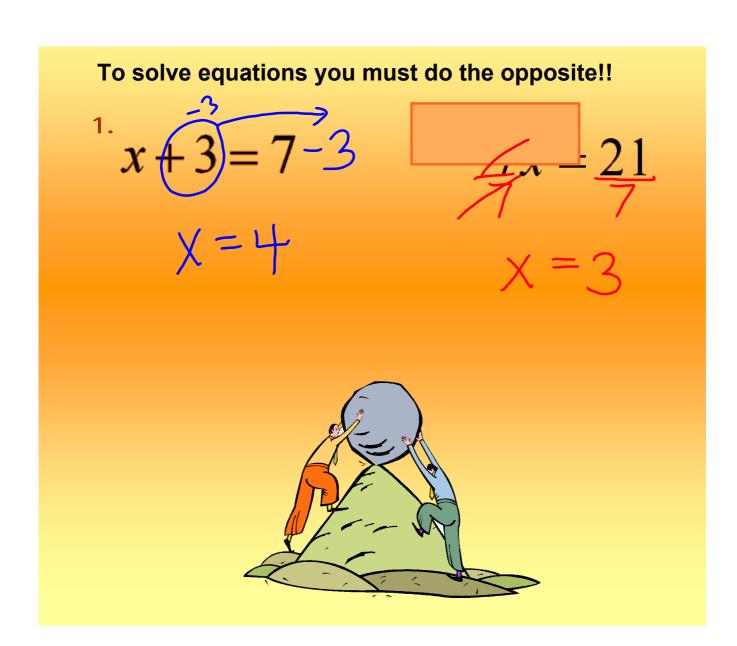


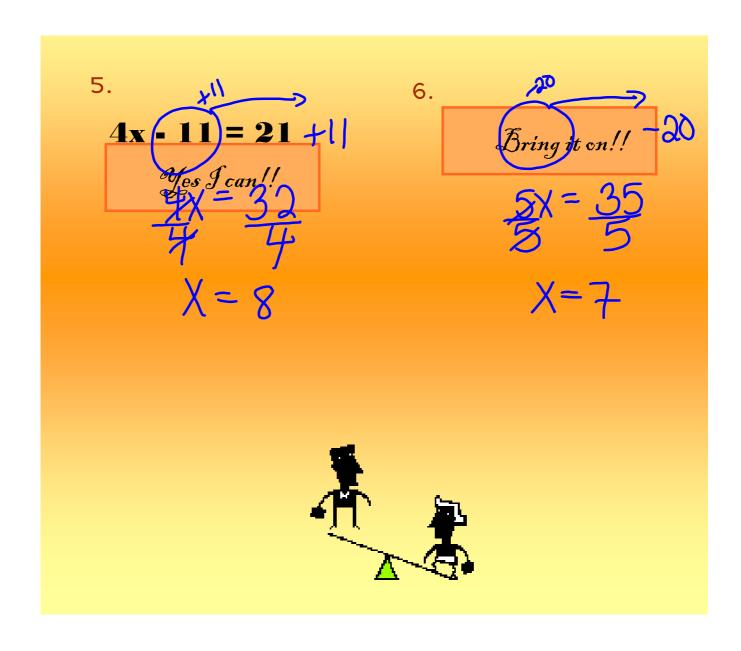




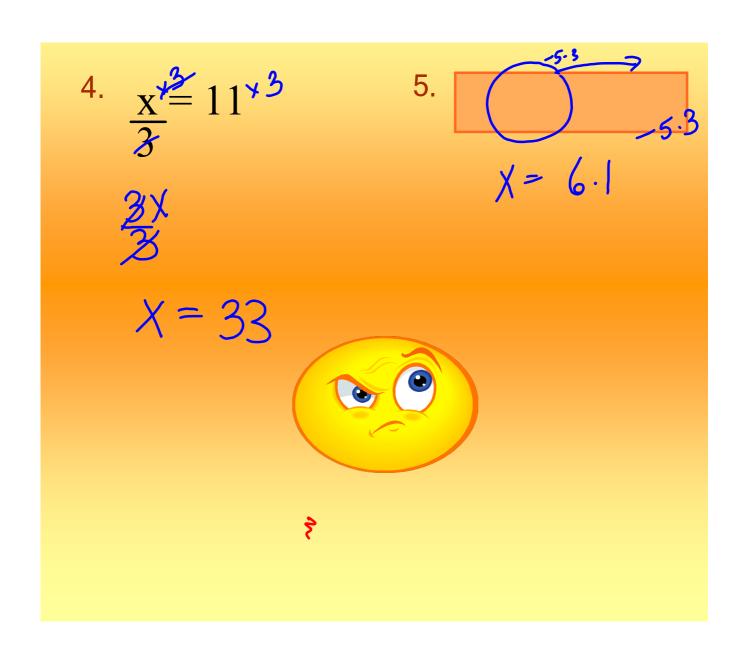












$$10 = -3x - (-11)$$

$$-3x - (-11) = 10$$

$$-3x + 11 = 10 - 11$$

$$-3x = -1$$

6. 
$$-7g - (-3) = -4$$

$$-7g + 3 = -4 - 3$$

$$-7g = -7$$

$$-7 + 9 = +1$$

-7y-20=-34

2x - 5 = 15



