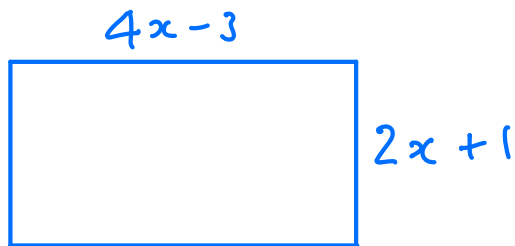


# Forming and Solving Eqns

Ex 1



$$2(4x-3) + 2(2x+1) = 56$$

$$8x - 6 + 4x + 2 = 56$$

$$12x - 4 = 56$$

$$12x = 56 + 4 = 60$$

$$x = \frac{60}{12}$$

$$x = 5$$

Rectangle has perimeter 56 cm

Find its area.

$$\text{Area} = (4x-3)(2x+1)$$

$$= 17 \times 11$$

$$= 187 \text{ cm}^2$$

Ex 2

John is twice as old as Bill

Colin is 5 years older than John  
and 3 times as old as Bill

How old is Bill?

Let Bill be  $x$

$$\text{John} = 2x$$

$$\text{Colin} = 2x + 5 \text{ or } 3x$$

$$\therefore 2x + 5 = 3x$$

$$5 = 3x - 2x$$

$$\underline{5 = x}$$

So Bill is 5 years old.