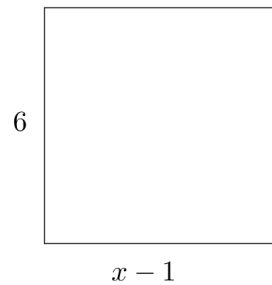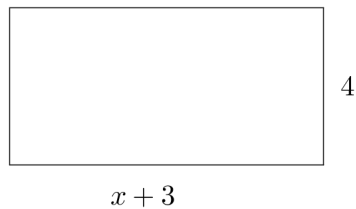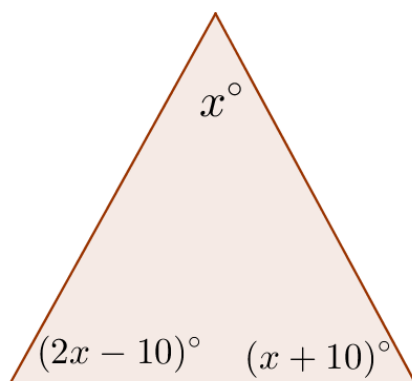# JC Word Problems Revision

1. If you double a number and add 15 to it you get 35. Solve for this number.

2. Two consecutive even numbers add up to 86. What is the average of these two numbers?

3. Find three consecutive numbers such that five times the first one is 27 more than the sum of the next two.

4. John is x years old. Paul is three years older. Frank is twice the sum of John and Paul's age. If the sum of their ages is 99, how old is John?
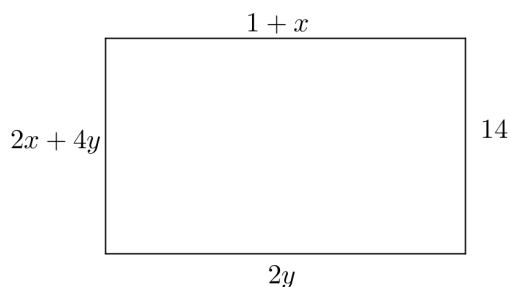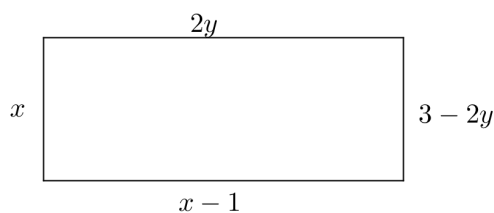

5. If the rectangles above have the same area, what is x?

6. Five consecutive even numbers add up to 140. What is the smallest number in the sequence?

7. .. What is x

x°

$(2x - 10)^\circ$ $(x + 10)^\circ$

8. . . .

$2y$

x $3 - 2y$

$x - 1$

$1 + x$

$2x + 4y$ 14

$2y$

9. In an election, Fine Gael received 105,000 more votes than Labour. If the total votes between the two parties was 735,000, how many did each receive?

10. One third of a number is four more than half another. The first number is two more than three times the second. What are the two numbers?

11. A number is squared and then the original number is subtracted to give a total of 12. What are the two possible numbers?

12. What two consecutive even numbers have the product of 48?

13. .

$$7x + 5$$

$$8x + 5$$

$$x + 4$$