In last week's football game, Ralph scored 6 less than twice what Tommy scored. The sum of their scores is 30. How many points did Ralph and Tommy score individually?

Solution:

Let Tommy scored x scores, than Ralph scored - $2x - 6$ scores.

Sum of Tommy and Ralph scores is 30, so

$$x + 2x - 6 = 30$$

$$3x - 6 = 30$$

$$3x = 36$$

$$x = 12$$

So Tommy scored 12 points and Ralph scored - $2x - 6 = 2 \cdot 12 - 6 = 18$ points

Answer: Tommy scored 12 points, Ralph scored 18 points