How many grams of CO2 are produced if 9.53 grams of C2H5OH are produced?

Solution

9.53 g   x g

$C_2H_5OH + 3O_2 = 2CO_2 + 3H_2O$

46 g   88 g
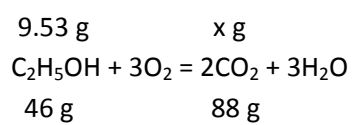
By proportion: $x = \frac{9.53\ g * 88\ g}{46\ g} = 18.23\ g$

Answer: 18.23 g