

# Birthday Calculations:

How old are you on the planet Mercury?


Name:

Let's organize some numbers for our Birthday calculations:

How old are you? (In earth years)  
 I am \_\_\_\_\_ years old

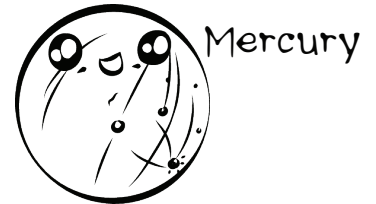
How many days are there in a year on earth?  
 There are \_\_\_\_\_ days in one earth year

How old are you in earth days?



Earth

How old would you be on the planet mercury?  
 Use the chart to help you solve the problem (Only solve to the tenths place)





Time to orbit the sun


Mercury	88 days
Venus	225 days
Earth	365 days
Mars	687 days
Jupiter	4,332 days
saturn	10,785 days
Uranus	30,688 days
Neptune	60,182 days
Pluto	90,520 days


Let's set up this math problem for coding  
 by naming our numbers.

$$\text{My age on this planet} = \text{My Age (Earth Years)} * \text{365 Days in a Year} / \text{Planet Orbit Days}$$

  
 The computer  
 will solve for this

 What number goes  
 with this name?

 What number goes  
 with this name?

 What number goes  
 with this name?