

BHCSI Intro Programming Homework Assignment: Pictures

Write a program that calculates the number of pictures that can be stored on a thumb drive. Ask the user to enter the number of gigabytes of data the thumb drive can store, as well as the length and width of each picture, in pixels. Assume that each pixel takes 3 bytes of storage. (This isn't really the case, since most pictures are stored in a compressed format.) Output your answer as a whole number.

*Note: There are **1 073 741 824** bytes in a Gigabyte.

Sample 1: Input and Output

How many gigabytes can your thumb drive store?

4

What is the width of each picture in pixels?

3168

and height?

4752

You can store **95** pictures on your thumb drive.