Estimate the thickness of a page in a textbook.

1. 10^0 m
2. 10^{-1} m
3. 10^{-2} m
4. 10^{-3} m
5. 10^{-4} m

6. 10^{-5} m
7. 10^{-6} m
8. 10^{-7} m
9. 10^{-8} m

Estimate the number of cells in your body.

1. 10^0
2. 10^2
3. 10^4
4. 10^5
5. 10^6

6. 10^8
7. 10^{10}
8. 10^{12}
9. 10^{14}

Activity

- [Dollar and penny](#)

An example from a math exam

- Writing the equation in this problem on a physics exam would receive 0 credit and the comment: "This is a meaningless equation!"

The population density of trout in a stream is

$$r(x) = 20 \frac{1+x}{x^2+1}$$

where r is measured in trout per mile and x is measured in miles. x runs from 0 to 10.
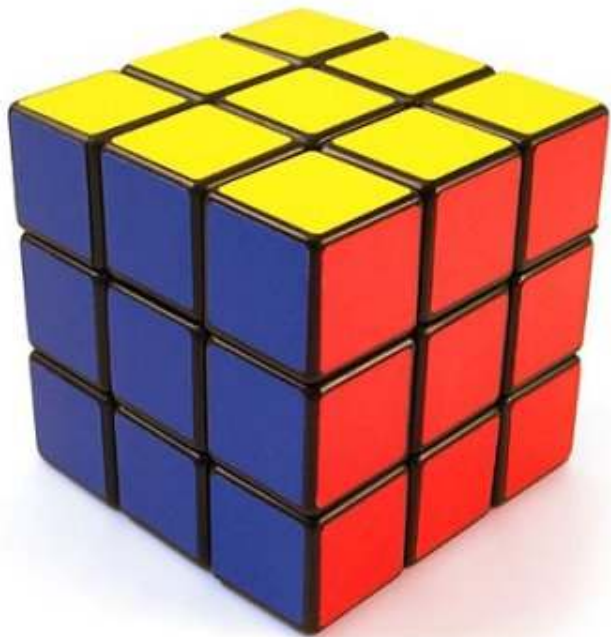
(a) Write an expression for the total number of trout in the stream. Do not compute it.

How would you fix this?

Activity

- Pizza sale

Measurement is basically about counting.

N	Perim	Area	Vol
1			
2			
3			