Consider two mathematical models of real world things

- Distance
- Time
- We map positions and times into numbers. What kinds of numbers are we mapping to?

1. Integers	A. All numbers (+,0,-)
2. Rational numbers	B. Non negative only
3. Real numbers	C. Positive only

Which equation represents the quantity on the left?

A. The area of a circle.

B. The volume of a sphere.

C. The circumference of a circle.

D. The surface area of a sphere.

1. $2\pi R$

2. $4\pi R^2$

3. $\frac{4}{3}\pi R^3$

4. πR^2