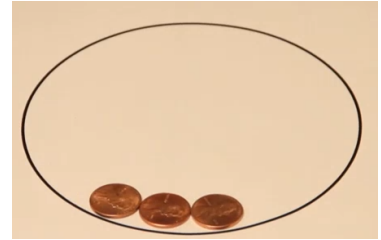


HOW MANY PENNIES ARE IN THE CARPET CIRCLE?

Name _____

ACT I →

1. [Watch the video](#)
2. **Guess** how many pennies will the big (carpet) circle hold?



3. What is an overestimate (a number too high)?

4. What is an underestimate (a number too low)?

ACT II →

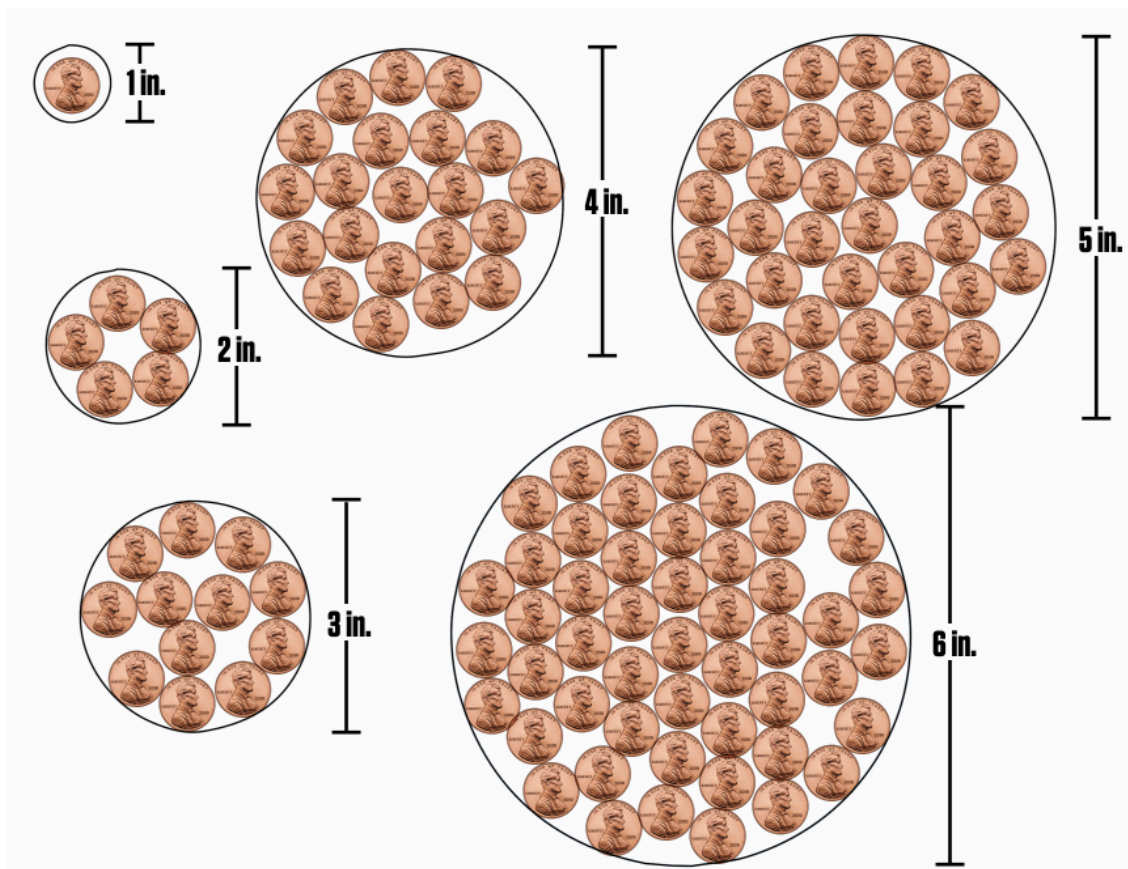
1. If you could have ONE piece of information, what would it be? See me when you'd like a possible answer.

2. How can we use smaller circles to help us figure out how many pennies are in the big circle? Describe your strategy below:

HOW MANY PENNIES ARE IN THE CARPET CIRCLE?

ACT III →

1. Use your strategy and this image to help you answer, **how many pennies are in the carpet circle?**

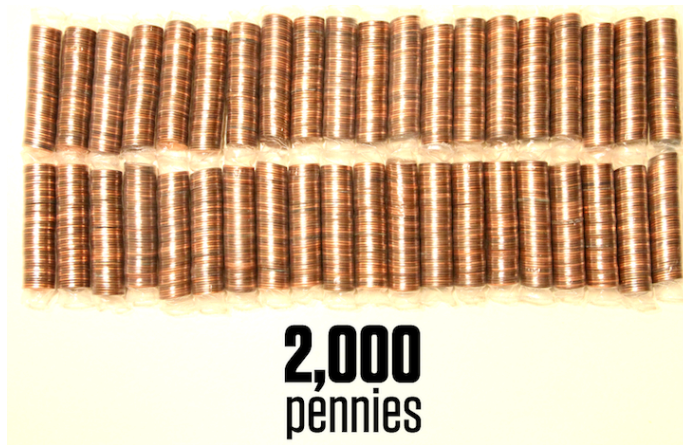


Work and Answer:

2. To view the answer [click here](#)
3. How close were you? What do you think allotted for the difference (if there was one)?

HOW MANY PENNIES ARE IN THE CARPET CIRCLE?

Sequel



1. How big is the smallest circle that will enclose the 2000 pennies?
2. How many pennies lie along the circumference of the big circle?
([view answer here](#) -- NOT NOW, WHEN YOU'RE DONE)