 

**Advanced Placement Computer Science**

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**Unit 2: Math Ops Sys Design**

Lesson: Math.random()

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Math.random() is a static method that \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

You can manipulate the results of Math.random by multiplying and casting to integers.

For example.

To get a number from 1-10 use…….

Try getting an index that will range for an ArrayList of Movies called movieList

Try getting a six sided die

Try getting a twenty sided die

Assuming a thief can pick a lock with between 20 – 50 % proficiency, try generating an integer from 20-50

Assuming a weapon does 10-60 hitpoints of damage, try generating the damage