



# MENSA® FOUNDATION Educational Programs

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## Showtime!

### 3 math lessons

These grade-appropriate lesson plans can be downloaded at [www.mensaforkids.org](http://www.mensaforkids.org). Just click on the schoolhouse, then on Parent/Teacher Resources, then on Lesson Plans.

- Shapes (Kindergarten)
- Action Fractions (2<sup>nd</sup> Grade)
- Probably Probability (6<sup>th</sup> Grade)

### 14 Pi Day activities

Here are 14 Pi Day Activities that you can do for fun and learning at home or at school.

#### 1. Pi Paper Chain

Even the youngest mathematician can participate in this activity! Different colored paper strips are paired with numbers (e.g., blue for 2, red for 4). The strips are then linked in the order of  $\pi$  (3.1415...). The chain can be as long or as short as time and interest allow.



What you need:

- Construction paper of ten different colors cut into strips
- Stapler or tape

What you do:

- Decide which color will represent which number.
- Create your paper chain by taking a strip of paper in the color you have chosen to represent the number 3 and making it into a loop. Close the loop with a stapler or piece of tape.
- Take a strip that represents the number 1 and thread it through your loop. Close the loop.
- Repeat with the strips that match the numbers in  $\pi$  so that you have a visual representation of  $\pi$ . How long can you make it? Here are the first 500 decimal places to get you started:

3.1415926535 8979323846 2643383279 5028841971 6939937510 5820974944  
5923078164 0628620899 8628034825 3421170679 8214808651 3282306647  
0938446095 5058223172 5359408128 4811174502 8410270193 8521105559  
6446229489 5493038196 4428810975 6659334461 2847564823 3786783165  
2712019091 4564856692 3460348610 4543266482 1339360726 0249141273  
7245870066 0631558817 4881520920 9628292540 9171536436 7892590360  
0113305305 4882046652 1384146951 9415116094 3305727036 5759591953  
0921861173 8193261179 3105118548 0744623799 6274956735 1885752724  
8912279381 8301194912