



# $\pi$ day activity worksheets



To help you and your students celebrate Pi Day this year, we've created three activities for you to try that combine the wonder of pi with the power of EquatIO Mobile! Before diving into these activities, be sure to [read up on the latest member of the EquatIO Family](#), so that you can tackle Pi Day like a pro! And most importantly, have fun!

## $\pi$ collaboration

### what you'll need:

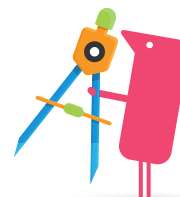
- ✓ Index cards (the same number as the number of students in your class)
- ✓ A blank Google Slide doc that is shared with the whole class
- ✓ The students will need to set up **EquatIO Mobile** on their mobile phones or tablets

### set up:

- ✓ Write two digits of pi on each index card in large, clear print (first card: "3 ." second card: "1 4", etc.)
- ✓ Shuffle the cards, hand them out to the class
- ✓ Have the students open up the shared Google Slide doc on their own computer or chromebook and make sure they have the EquatIO toolbar activated

### Activity:

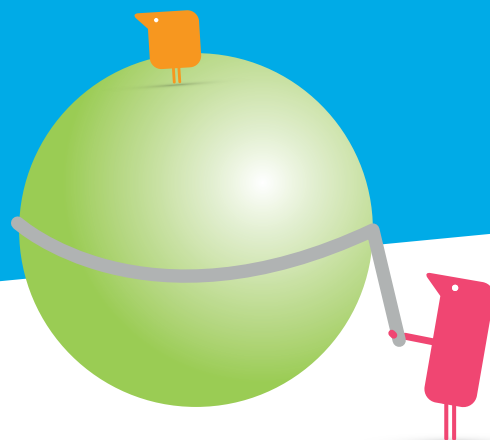
- 1) Ask the students to work together to "write" pi in the Google Slide doc by determining the correct order of the digits they have in their hands (but there's a twist)
- 2) If they think they are holding the next two digits in the sequence, they can use EquatIO Mobile on their mobile phone or tablet to take a picture of their index card, save it as math, and send it to the Google Slide doc
- 3) Once every student has taken a picture of their index card, compare their sequence to the actual value of pi to see how many digits they got right.



Share your **#PiDay** and **#EquatIO** Mobile experiences with us by tagging @Texthelp on Twitter. Enjoy!



# $\pi$ day activity worksheets



## measuring $\pi$

### what you'll need:

- ✓ String & ruler (1 for each group)
- ✓ Round objects of differing sizes (1 for each group)
- ✓ An open EquatIO mathspace with a Number Line ([you can use this one we've created](#))
- ✓ **EquatIO Mobile** set up on a mobile phone or tablet that can be shared with the class

### set up:

- ✓ Split your class into equal sized groups
- ✓ Give each group of students a string, ruler, and one of the round objects
- ✓ Project the EquatIO mathspace in the front of the class

### Activity:

- 1) Ask each group of students to come up with a team name
- 2) Then have them measure the value of pi based on the dimensions of their round object
- 3) Once they have come up with their team answer, hand them the phone or tablet with EquatIO Mobile set up on it, have them draw their answer using the touchscreen, save it as math, and send it to the EquatIO mathspace
- 4) Once their answer is in the EquatIO mathspace, have them move it to the appropriate point on the ruler and have them write their team name next to their response
- 5) Discuss why the answers are all so similar despite the different objects, as well as why there may be small differences to the actual value of pi.



Share your **#PiDay** and **#EquatIO** Mobile experiences with us by tagging @Texthelp on Twitter. Enjoy!



## $\pi$ day activity worksheets



### $\pi$ day scavenger hunt

#### what you'll need:

- ✓ An EquatIO mathspace with a Fraction Circle & a Ruler (**you can use this one we've created**)
- ✓ The students will need to set up **EquatIO Mobile** on their mobile phones or tablets

#### set up:

- ✓ Share the **EquatIO mathspace** with each of your students by clicking on the blue share button and selecting "Make a copy for each person and expect a response"
- ✓ Have the students open up the shared EquatIO mathspace on their own computer

#### Activity:

- 1) Ask the students to go on a scavenger hunt for an object that is circular
- 2) Have them take a picture of the object with EquatIO Mobile on their phone or tablet and send the picture to the open EquatIO mathspace they have on their computer
- 3) Instruct them to use the tools provided in EquatIO mathspace to measure the radius of the object (note: in order to overlay the Fraction Circle and ruler on top of the image of their object, students will have to cut and re-paste the Fraction Circle and the ruler into the EquatIO mathspace after the object has been inserted)
- 4) Once they've determined the radius, they can then calculate the circumference and the area of their chosen object
- 5) Once they've come up with the solutions, they can send their response back to you via the blue share button
- 6) This can be used as a great exit ticket to go celebrate Pi Day with treats!



Share your **#PiDay** and **#EquatIO** Mobile experiences with us by tagging @Texthelp on Twitter. Enjoy!