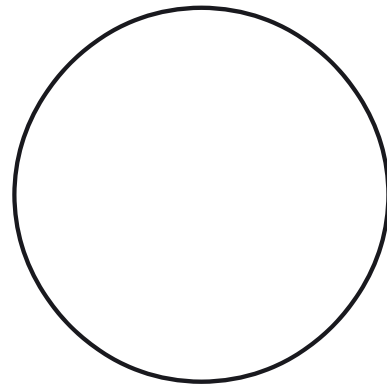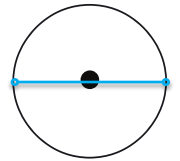**Name:** _____ **Date:** _____

Help Bryce do Maths!

1. You need a pencil, ruler, and a cup or other round object to trace around. Trace the circle on the left. Can't find a round object? Use the one on the right.
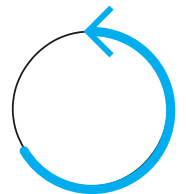
2. Measure the diameter of the circle - the distance across the middle.

The diameter of my circle = _____

3. Now, estimate the circumference. About how many centimetres do you think it is?

Estimate of circumference of my circle: _____

5. The formula for finding the circumference of a circle using Pi is written C=πD. That means you multiply the diameter, D, by 3.14. (We'll round it to two decimal places.) Grab a calculator and do that multiplication!

According to this formula, my circle has a circumference of: _____

6. If you have time, use a piece of string to measure the circumference. Then measure the string on your ruler. Is it the same? What is the difference?

_____

7. Now let's help Bryce with what's known as the Fibonacci sequence. The next number is found by adding up the two numbers before it.

1, 1, 2, 3, 5, 8, 13, 21

8. What are some things in nature that have Fibonacci numbers? Try to remember at least three.

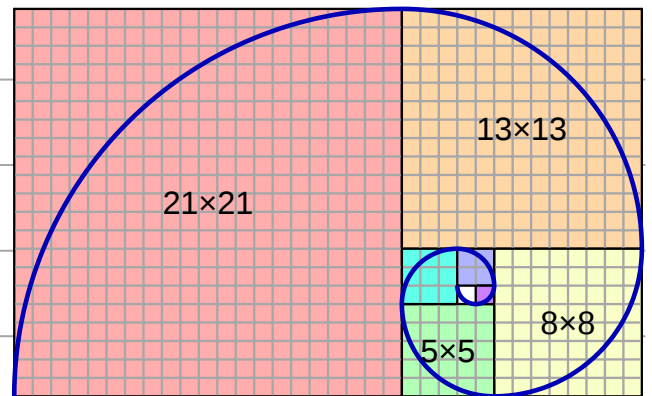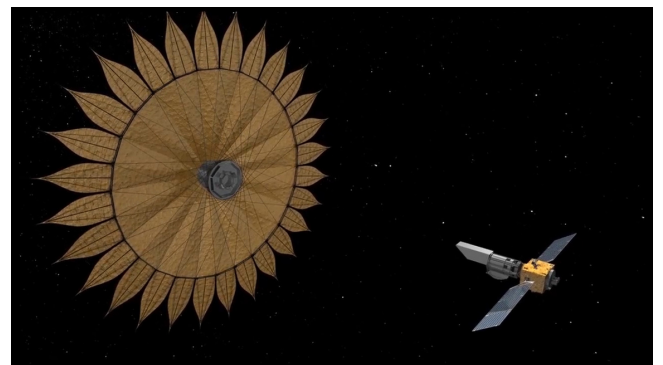9. What were some of the jobs mentioned in the podcast that use maths?
Tick all that apply.

- ☐ Sport statistician
- ☐ Space exploration
- ☐ Medical device designer
- ☐ Anything involving money
- ☐ Artist
- ☐ All of the above

10. Did this podcast change how you feel about maths? Why or why not?