1. What is the area of the moon’s cross-section if its radius is 1738 km? What are the units of area?

2. Number π is approximately equal to 3.14. Are there any other digits that follow after the number 4 in 3.14? How many digits make up the number π?

3. The formula for the area of a circle is \( A = \frac{\pi d^2}{4} \) and the formula for the circumference of a circle is \( C = \pi d \), where \( d \) is the diameter of the circle. Write and simplify the ratio \( \frac{C}{A} \). Show work to get credit.

\[
\frac{C}{A} = \frac{4}{1}
\]

4. A. Choose which number is irrational?

   i) \( \pi \)  
   ii) \( \sqrt{121} \)  
   iii) \( \frac{5}{4} \)  
   iv) \( -0.3 \)

B. Describe an irrational number.
5. What did you **like** or **dislike** about the lesson?

6. Do you think robotics can be helpful when used to collect data in math experiments?

   A. **YES**    
   B. **NO**     
   C. **UNSURE**

7. What did you **like** or **dislike** about the robotic device?

8. Do you think the use robotics to collect data:

   A. **MADE THE LESSON EASIER**
   B. **MADE THE LESSON HARDER**
   C. **MADE NO DIFFERENCE IN THE LESSON**

9. Rate this lesson using the following

   A. **STRONGLY DISLIKED**    
   B. **DISLIKED**        
   C. **LIKED**           
   D. **STRONGLY LIKED**

10. What gets you excited about math?

11. If you were given the chance to create this lesson which method would you use:

   A. **RESEARCH ON THE INTERNET**
   B. **LECTURE**
   C. **READ TEXTBOOK**
   D. **CONDUCT HANDS-ON ACTIVITY**
   E. **WATCH A MOVIE**