

# Pi Day Scavenger Hunt

TEAM NAME: \_\_\_\_\_

Team Members: \_\_\_\_\_

**TRIVIA CHALLENGE (1 point per answer; example question 1 is worth up to 3pts. Every team member must answer questions. Work together!)**      **TRIVIA SCORE (25pts):** \_\_\_\_\_

- 3 geometric solids which have circular cross-sections (if you cut the shape, you would get a circle)
  1. \_\_\_\_\_
  2. \_\_\_\_\_
  3. \_\_\_\_\_
- 4 capital letters of the alphabet – in block style – with rotational symmetry (it would look the same if I spin the letter). List the 4 letters.
  1. \_\_\_\_\_
  2. \_\_\_\_\_
  3. \_\_\_\_\_
  4. \_\_\_\_\_
- 2 formulas which include  $\pi$  (give the formulas in symbols and tell what each formula represents)
  1. \_\_\_\_\_
  2. \_\_\_\_\_
- 5 sports or games which use a circle or a sphere in their play
  1. \_\_\_\_\_
  2. \_\_\_\_\_
  3. \_\_\_\_\_
  4. \_\_\_\_\_
  5. \_\_\_\_\_
- Famous person with a birthday on March 14
  1. \_\_\_\_\_
- 5 movie titles with references to something circular (list the movie titles)
  1. \_\_\_\_\_
  2. \_\_\_\_\_
  3. \_\_\_\_\_
  4. \_\_\_\_\_
  5. \_\_\_\_\_
- 5 kinds of candy that comes in circular pieces
  1. \_\_\_\_\_
  2. \_\_\_\_\_
  3. \_\_\_\_\_
  4. \_\_\_\_\_
  5. \_\_\_\_\_

**PI DAY CIRCLES – Activity Table 1**

**SCORE (15 pts per circle):** \_\_\_\_\_

- Measure the circumference and diameter of each circle. Measure as accurately as possible!
  - To measure the **circumference**, place yarn around the edge of the circle. Straighten out the string and measure.
  - To measure the **diameter**, place the yarn across the middle of the circle. . Straighten out the string and measure.
- Divide your circumference measurement by your diameter measurement. You are trying to get your answer as close to the number pi as possible. Good luck!

**Circle A:**

Circumference (C): \_\_\_\_\_

Diameter (d) : \_\_\_\_\_

Circumference Divided by Diameter:

\_\_\_\_\_

**Circle B:**

Circumference (C): \_\_\_\_\_

Diameter (d) : \_\_\_\_\_

Circumference Divided by Diameter:

\_\_\_\_\_

**Circle C:**

Circumference (C): \_\_\_\_\_

Diameter (d) : \_\_\_\_\_

Circumference Divided by Diameter:

\_\_\_\_\_

**Circle D:**

Circumference (C): \_\_\_\_\_

Diameter (d) : \_\_\_\_\_

Circumference Divided by Diameter:

\_\_\_\_\_

**“Bulls-Pi” Penny Drop – Activity Table 2**

**TEAM AVERAGE SCORE :** \_\_\_\_\_

Each team member gets a penny and target. Drop the penny from the height of the chair seat ten times. Mark your score after each drop. If the penny drops in two rings, take the higher point value

Name: \_\_\_\_\_

Score: \_\_\_\_\_

Name: \_\_\_\_\_

Score: \_\_\_\_\_

Name: \_\_\_\_\_

Score: \_\_\_\_\_

Name: \_\_\_\_\_

Score: \_\_\_\_\_

Name: \_\_\_\_\_

Score: \_\_\_\_\_

Team total score: \_\_\_\_\_

Average score: \_\_\_\_\_

*Divide total by number of players*



**POETRY – ACTIVITY TABLE 3**

**TOTAL SCORE (10 PTS PER POEM): \_\_\_\_\_**

Write a Piku. A three line poem. First line, three syllables. Second line, one syllable. Third line, four syllables.

Example: Three one four.

Pi.

The best number.

Name: \_\_\_\_\_

3 \_\_\_\_\_

1 \_\_\_\_\_

4 \_\_\_\_\_

Name: \_\_\_\_\_

3 \_\_\_\_\_

1 \_\_\_\_\_

4 \_\_\_\_\_

Name: \_\_\_\_\_

3 \_\_\_\_\_

1 \_\_\_\_\_

4 \_\_\_\_\_

Name: \_\_\_\_\_

3 \_\_\_\_\_

1 \_\_\_\_\_

4 \_\_\_\_\_

Name: \_\_\_\_\_

3 \_\_\_\_\_

1 \_\_\_\_\_

4 \_\_\_\_\_

**POETRY – ACTIVITY TABLE 3**

**TOTAL SCORE (15 PTS PER POEM): \_\_\_\_\_**

Write a Pilish. Each word has the same number of letters as a digit of pi.

Example:      Wow, I love a party! Celebrate pi. Excite minds now!

                  3  1  4  1  5           9    2  6        5  3

**Name:** \_\_\_\_\_

3 \_\_\_\_\_

1 \_\_\_\_\_

4 \_\_\_\_\_

1 \_\_\_\_\_

5 \_\_\_\_\_

9 \_\_\_\_\_

2 \_\_\_\_\_

6 \_\_\_\_\_

5 \_\_\_\_\_

3 \_\_\_\_\_

**Name:** \_\_\_\_\_

3 \_\_\_\_\_

1 \_\_\_\_\_

4 \_\_\_\_\_

1 \_\_\_\_\_

5 \_\_\_\_\_

9 \_\_\_\_\_

2 \_\_\_\_\_

6 \_\_\_\_\_

5 \_\_\_\_\_

3 \_\_\_\_\_

**Name:** \_\_\_\_\_

3 \_\_\_\_\_

1 \_\_\_\_\_

4 \_\_\_\_\_

1 \_\_\_\_\_

5 \_\_\_\_\_

9 \_\_\_\_\_

2 \_\_\_\_\_

6 \_\_\_\_\_

5 \_\_\_\_\_

3 \_\_\_\_\_

**Name:** \_\_\_\_\_

3 \_\_\_\_\_

1 \_\_\_\_\_

4 \_\_\_\_\_

1 \_\_\_\_\_

5 \_\_\_\_\_

9 \_\_\_\_\_

2 \_\_\_\_\_

6 \_\_\_\_\_

5 \_\_\_\_\_

3 \_\_\_\_\_



Cuboid



Triangular-based Pyramid



Triangular Prism



Cube



Square-based Pyramid



Hexagonal Prism



Sphere



Cone



Cylinder

A B C D E F

G H I J K L M

N O P Q R S T

U V W X Y Z