

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

# Pi Approximation Day! $\pi$

Pi Approximation Day, celebrated on July 22nd (22/7 in day/month format), is an alternative to Pi Day for math enthusiasts, recognizing the fraction 22/7 as a common approximation of the mathematical constant  $\pi$  (pi), a number vital to calculations involving circles.

**Directions:** Use your math skills to find the value of each icon and the '?' in the puzzle below.

$$\text{t-shirt} + \text{t-shirt} + \text{t-shirt} = 288$$

$$195 \div \text{3 balloons} = \text{pizza}$$

$$\text{t-shirt} + \text{3 balloons} + \text{3 balloons} = 226$$

$$25 = \text{3 balloons} - 1 - \text{pie}$$

$$\text{t-shirt} \times \text{pizza} + \text{3 balloons} - \text{pie} = ?$$

My Answer: ? = \_\_\_\_\_

## Answer Key:

Pie=39

Pizza=3

Shirt=96

Balloons=65

**?=314**

**Fun Fact:** Pi Approximation Day is celebrated on July 22nd (22/7) because the fraction 22/7 is a well-known and one of the oldest approximations of the mathematical constant  $\pi$  (pi), dating back to ancient times. The fraction 22/7 is a close estimate of  $\pi$ , which is approximately 3.14159, making this date a clever play on numbers to honor the significance of pi in mathematics.