

Name: _____

Pi Approximation Day! π

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 π (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.

$$\text{Pi T-shirt} + \text{Pi T-shirt} + \text{Pi T-shirt} = 300$$

$$\text{Pi Balloons} + 100 = \text{Pizza}$$

$$\text{Pi T-shirt} + \text{Pi Balloons} + \text{Pi Balloons} = 200$$

$$\text{Pi Balloons} - \text{Pie} = 36$$

$$\text{Pi T-shirt} + \text{Pie} + \text{Pi Balloons} + \text{Pizza} = ?$$

My Answer: ? = _____

Answer Key:

Pie=14

Pizza=150

Shirt=100

Balloons=50

?=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 π (pi), dating back to ancient times. The fraction 22/7 is a close estimate of π , which is approximately 3.14159, making this date a clever play on numbers to honor the significance of pi in mathematics.