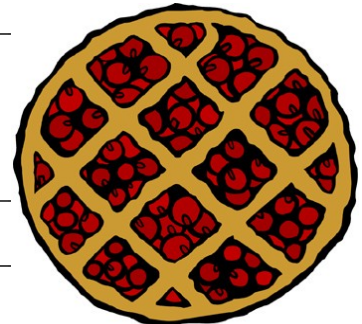


Name: _____

Circumference, Pi, and Circle Questions

1. How is circumference similar to perimeter? How is it different?

2. Tell how the number pi (π) is calculated.



3. Laura has a circular kiddie pool in her backyard. The diameter of the pool is 5 feet. What is the circumference of the pool? Explain how you found the answer.



~ PREVIEW ~

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4. Hans measured the circumference and diameter of a pizza object in centimeters. He divides the two numbers and finds the answer is pi.

Luke measures the circumference and diameter of the same pizza in millimeters instead of centimeters. If he divides the circumference by the diameter, will his answer also equal pi?

Explain.

5. Every year March 14 is known as International Pi Day. Why was this particular day chosen to celebrate pi?

Name: _____

Circumference, Pi, and Circle Questions

1. How is circumference similar to perimeter? How is it different?

Circumference and perimeter both measure distance around a shape. Perimeter is the distance around a polygon with straight sides. Circumference is distance around a circle.

2. Tell how the number pi (π) is calculated.

Whenever you divide the circumference of an object by the diameter you should get 3.14.

3. Laura has a circular kiddie pool in her backyard. The diameter of the pool is 5 feet. What is the circumference of the pool? Explain how you found the answer.

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4. He divides the circumference by the diameter, will his answer also equal pi? Explain.

Yes, both boys should have gotten pi as their answer. When you divide the circumference by the diameter, you will always get pi. Units don't matter, as long as they are consistent.

5. Every year March 14 is known as International Pi Day. Why was this particular day chosen to celebrate pi?

When you write the date for March 14, it looks like this: 3/14 (third month of the year, fourteenth day). 3.14 is also the number for pi, which is why March 14 is the ideal time to celebrate pi day.