

Remember to show ALL work to receive credit!**MONDAY HOMEWORK****1. Complete the table**

radius	diameter	Approximate circumference	Approximate area
			78.5 ft ²
5 cm			

2. Abrina borrowed \$2,200 at a 4% interest rate and owed a total of \$44 in interest. How long did she borrow the money?

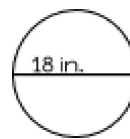
3. A wishing well has a circumference of 9.42 feet. What is the radius of the well?

4. The perimeter of a rectangle is 24 in. the length is twice the width. Find the length and width of the rectangle. (use an equation)

5. A flagpole is 68 feet tall. And casts a shadow that is 17 feet long. How tall is a building that casts a shadow that is 20 feet long?

TUESDAY HOMEWORK

1. Calculate the area and circumference for the circle shown.



2. Draw a square that encloses the circle above and has a side length of 18 in. what is the area of the circle and what is the difference in the areas of the circle and the square?

3. A loan of \$1500 is paid back over 3 years. The total amount of interest owed is \$202.50. What was the interest rate of the loan?

4. The perimeter of a rectangle is 53 meters. The width is 6 less than the length. Find the length and width of the rectangle. (use an equation)

5. The triangle has a base of 15 cm and an area of 93.75 cm². What is the height of the triangle?

WEDNESDAY HOMEWORK

1. Julie has a circular swimming pool in her backyard. The distance around the pool is 21.12 feet. What is the approximate distance across the pool?
2. Arkansas has a shape similar to that of a trapezoid with bases about 182 miles and 267 miles and a height about 254 miles. Estimate the area of the state.
3. The perimeter of a rectangle is 16 in. The length is 4 more than the width. Find the length and width of a rectangle. (use an equation)
4. Simplify: $-5x + 4(2x + 5y) - 10y - 25 - 37$
5. The area of a rectangle is 90 m^2 and the perimeter is 42 m. What is the length and width of the rectangle?

THURSDAY HOMEWORK

1. The perimeter of a rectangle is 26 in and the area is 42 in^2 . What is the length and width of the rectangle?
2. Two circles are located inside of a rectangle that has a length of 12 cm and a width of 7 cm. The circles each have a 2 cm. radius. What is the area of the rectangle? What is the area of the two circles? What is the area not covered by the two circles? (Draw a picture to help).
3. The perimeter of a rectangle is 18 feet. The width is half of the length. Find the length and width of the rectangle. (use an equation)
4. The cross section of a pipe has a width of 6 centimeters and height of 15 centimeters. Calculate the volume of the pipe.