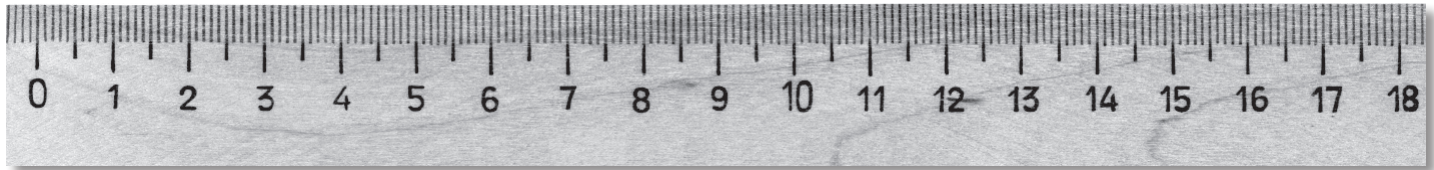


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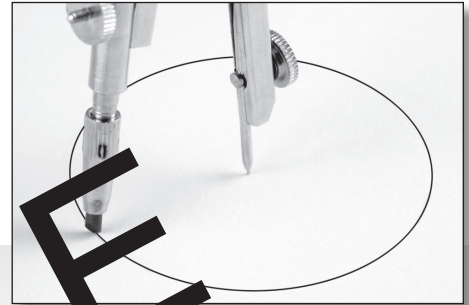


Task Sheet 9

Circle Central



9) For this activity, you will need a compass and a centimeter ruler. Your job is to draw the three circles described below. Then, find the circumference, radius, and area of the circle you draw.



a) **Circle One:** Should have a diameter of 2 cm.

Circumference: _____ Radius: _____ Area: _____

b) **Circle Two:**
Should have a diameter of 3 cm.

Circumference: _____
Radius: _____
Area: _____

c) **Circle Three:**
Should have a diameter of 4 cm.

Circumference: _____
Radius: _____
Area: _____



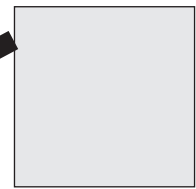
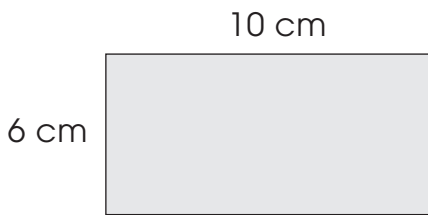
Drill Sheet 1

Conversions

- a) 1.5 m = _____ cm 27 ft = _____ yards 180 in = _____ ft
 2.5 oz = _____ lbs 2.5 g = _____ mg .25 ton = _____ lbs
 4 cups = _____ pints 330 L = _____ kL 2 gallons = _____ quarts
 18 ft = _____ yds 2.5 km = _____ m 27 yd = _____ in

Area and Perimeter

Look carefully at the three figures below. Calculate the area and perimeter using the measurements provided.



- b) Area: _____ c) Area: _____ d) Area: _____
 Perimeter: _____ Perimeter: _____ Perimeter: _____

Short Answers

- e) What is the volume of a tank with a length of 4 feet (1 meter), width of 5 feet (2 meters), and a height of 3 feet (0.9 meters)?

- f) What temperature is 20° below the boiling point on the Fahrenheit (Celsius) scale?

- g) An angle that is four-fifths the size of a right triangle would be this many degrees.

- h) What is the formula for finding the area of a circle?

- i) How many meters (feet) are in a 5 km (3 mile) race?

Time's Up



For this task you will need either a stopwatch or a clock with a minute hand. Your job is to work under the supervision of an adult and to determine a task that everyone in a small group might be able to do (recite a poem, read a passage from a story, do the twelve times table). After you do this:

- a) Time each person in your group performing the task. Record the times on a piece of paper. Denote the number of minutes and/or seconds it takes. This is called the first trial.
- b) Complete the task again now that all members have done it once. This is called the second trial. See how the times change now that each group member has some practice.
- c) Place the times onto a double bar chart representing each participant so times can be compared. Place the names in order from shortest to longest based on the times during the second trial.
- d) Make a list of at least ten observations about the difference in times on the chart from the first trial to the second trial.
- e) Summarize your findings and share them in class.