



Geometry & Measurement Student Activity

Perimeter

Convert units of measurement.

10 cm	=	mm
1.2 m	=	cm
3 dm	=	m
2.5 km	=	m
1354 m	=	k
450 m	=	cm

Define Perimeter:

What is the formula for determining the perimeter of a rectangle?

What is the formula for determining the perimeter of a square?

What is the formula for determining the perimeter of a triangle?

What is the formula for determining the perimeter of a regular polygon?

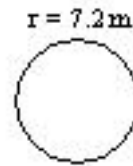
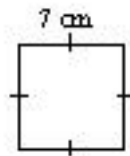
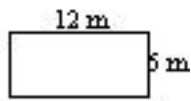
What is the formula for determining the circumference of a circle?

Please explain the relationship between radius and diameter.

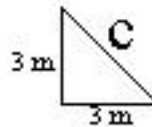
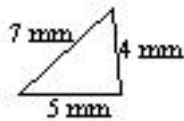
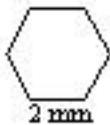
What is Pythagorean's Theorem?

What is the approximate value of π ? _____

Using the formulas you stated above, please solve the following questions. Show your work.



Regular Polygon



You have been hired to install a boarder around the perimeter of a flower garden. You must leave a 1 m opening on one side so that the gardener can access the flowers. What measurements must you know before you purchase the garden boarder? What are the measurements of the four sides? Demonstrate the method you will need to use to determine the total length of boarder to purchase. Are there any special measurements to consider?

