**Learning Intentions – Measurement**

**BIG Idea:** The constant ratio between the circumference and diameter of circles can be used to describe, measure and compare spatial relationships.

**TRAFFIC LIGHT**

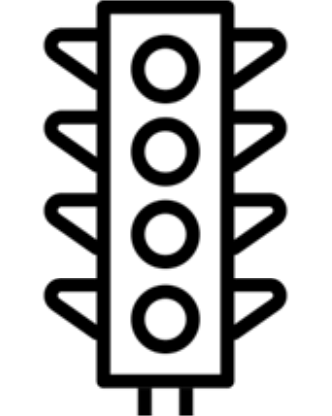
Green – Fully Understand

Yellow – Mostly Understand

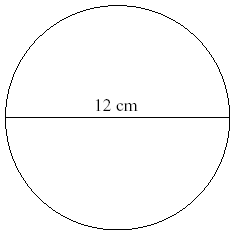
Orange – Kind of Understand

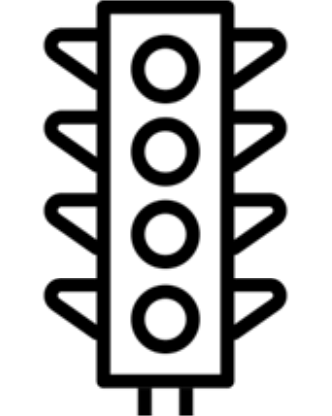
Red – Don’t understand yet

1. I can explain the terms radius, diameter, area, volume and circumference

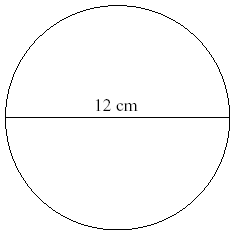
* Radius -
* Diameter -
* Area -
* Volume -
* Circumference -

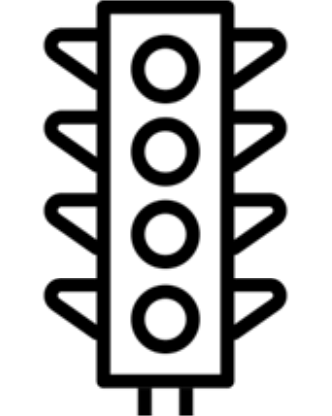
1. I can calculate the circumference of a circle



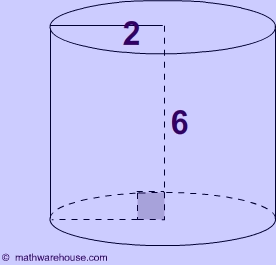


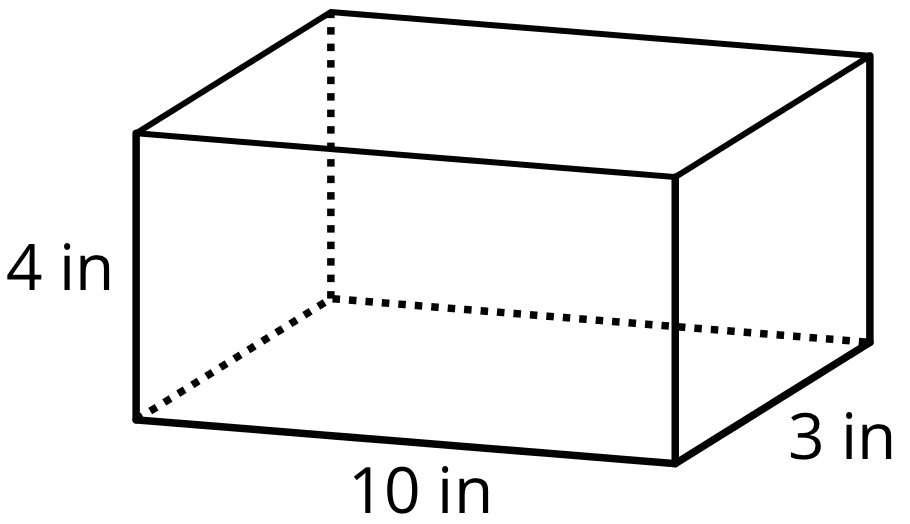
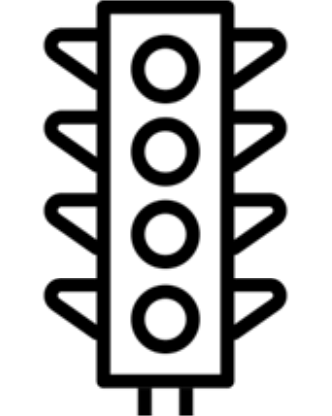
1. I can find the area of a circle given radius or diameter



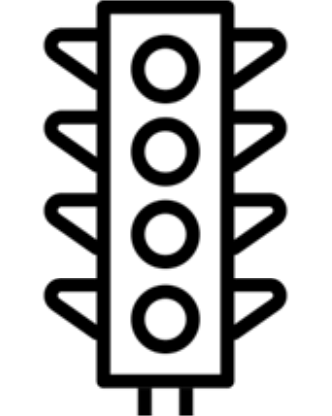


1. I can determine the volume of cylinders and rectangular prisms





1. I can solve problems involving area, circumference, and volume of circles, rectangular prisms and cylinders

If I built a pool that was 10m long by 6m wide and was 6m in depth what volume of water would the pool hold when full?

If I had a room that was 10m by 10m what is the circumference of the largest circle that could fit in that room?