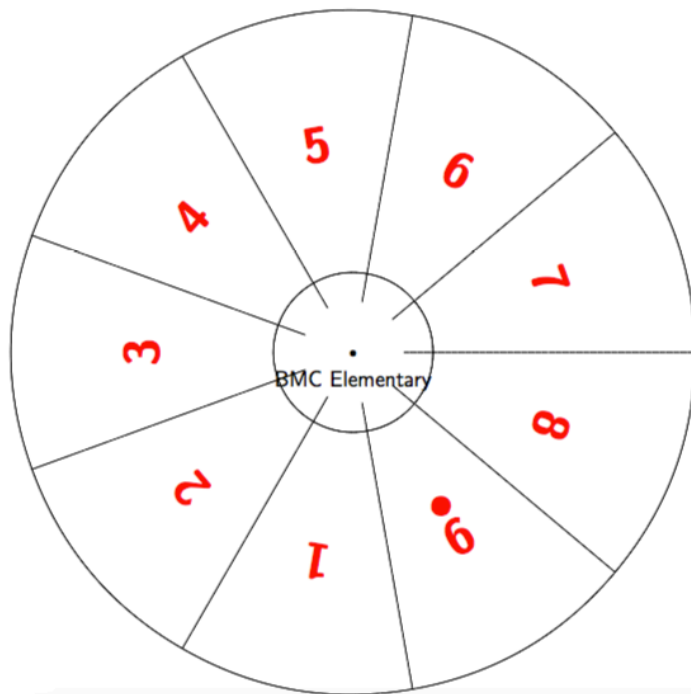


1 You have a tunnel and are trying to fill it with light so that way you can see the entire tunnel. The tunnel is 500 meters long, and your lamps shine for 50 meters in both directions. **How many do you need?**

2 Winnie the Pooh went out to buy erasers and markers. For all his money he could buy 6 erasers or 12 markers. However, he spent all his money and bought equal number of erasers and markers. **How many erasers and markers did he buy?**

3 Winnie the Pooh went out to buy pens and pencils. For all his money he could buy 24 pens or 72 pencils. However, he spent all his money and bought equal number of pens and pencils. **How many pens and pencils did he buy?**

For these next few problems, use the number wheel shown below.



4 Sam starts at the dot (on number wheel) and goes clockwise the number of steps which is his age (i.e. if he is 3 years old he will go clockwise 3 steps).

If he ends at digit 2, what ages could he be (hint: there are multiple ages that work)?

Samantha is the same age as Sam. She does the same thing as Sam, but starts at digit 6.

Where would she end?

5 Several people start at the red dot and go several “trips” clockwise. A “trip” is more than 9 steps. Trips are all the same length for all the people. All laps are of the same length. Oliver makes 1 trip and ends at 2.

Tammy makes 10 trips. **Where would she end?**

Harriet makes 100 trips. **Where would she end?**

Thomas makes 1000 trips. **Where would he end?**

What if Oliver after finishing 1 trip ended at 1. **Where would each person above end? What if Oliver ended at a different number like 3 or 4?**

6 Nina starts at the dot, and goes clockwise 999 steps. **Where would she end?**