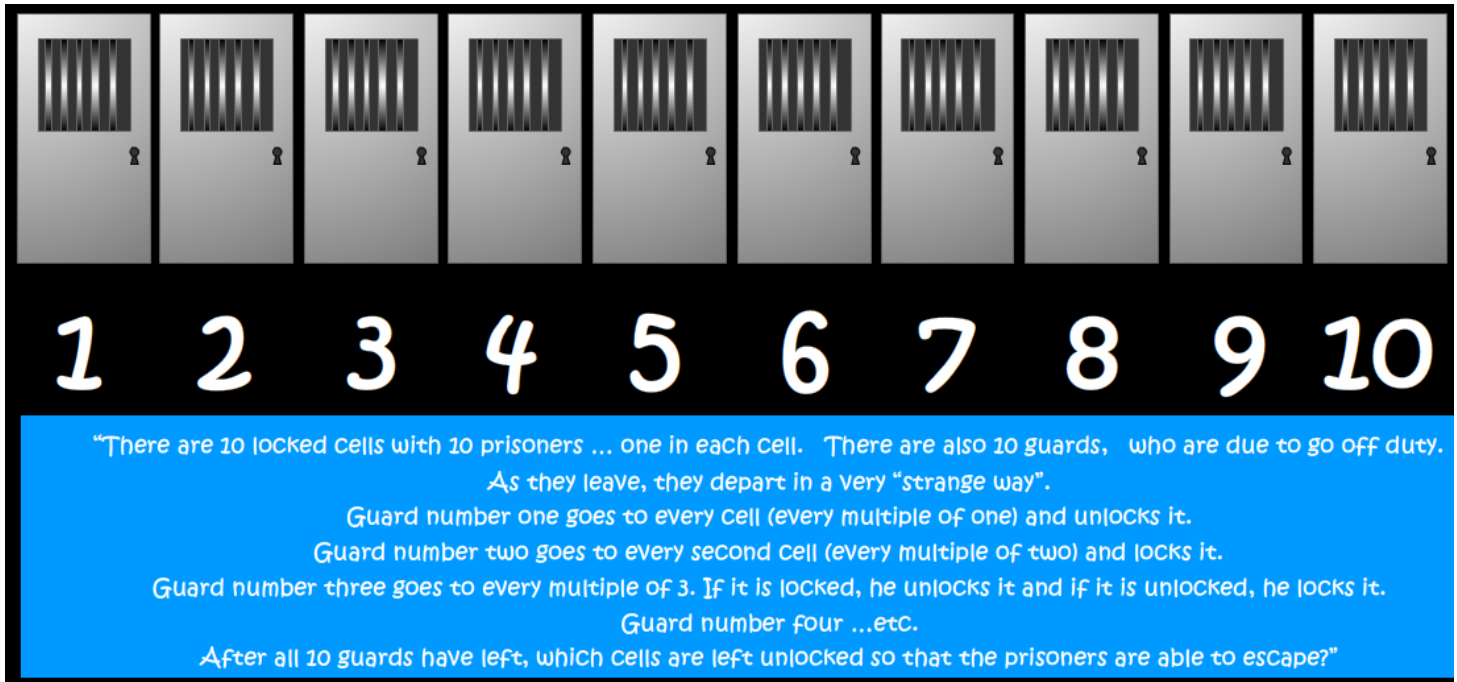


Group names: _____



- 1) For 10 prisoners, which doors will be open?

- 2) For 20 prisoners, which doors will be open?

- 3) For 100 prisoners, which doors will be open?

- 4) Is there a pattern or rule controlling which doors are open? Describe it using words and ideas you have learned in maths.

- 5) If there were 1,000 doors, would prisoner #400 escape? Explain why.

Bonus question: Why does this pattern occur?