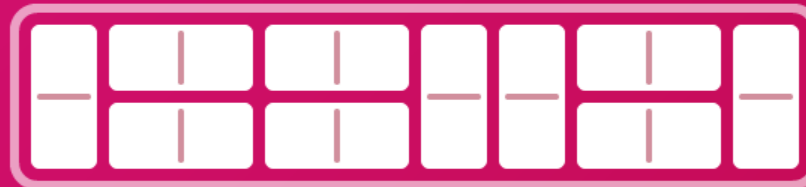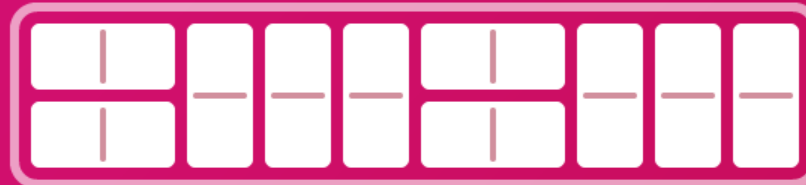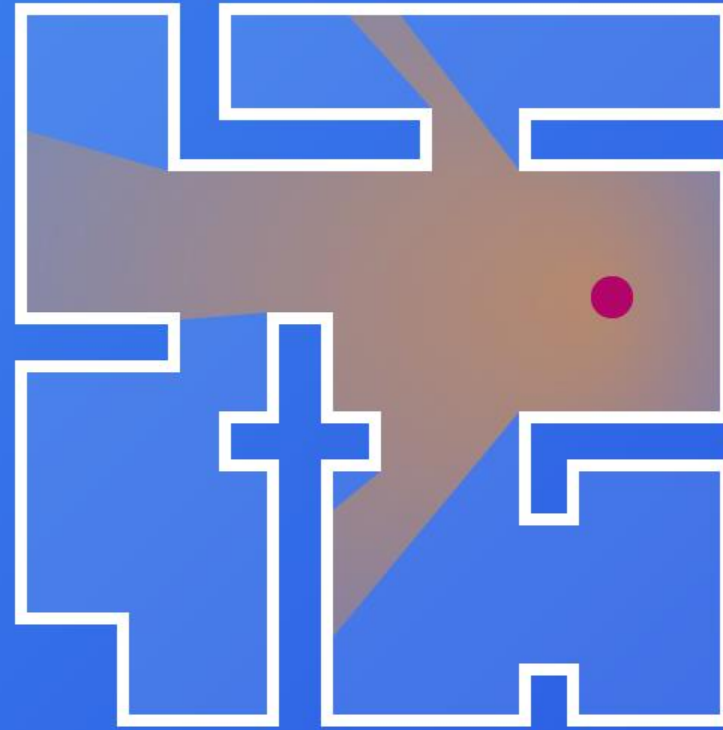How many ways are there to tile a rectangle of size 2×10 with dominoes?

4

Rearrange these numbers and symbols to make a true equation:
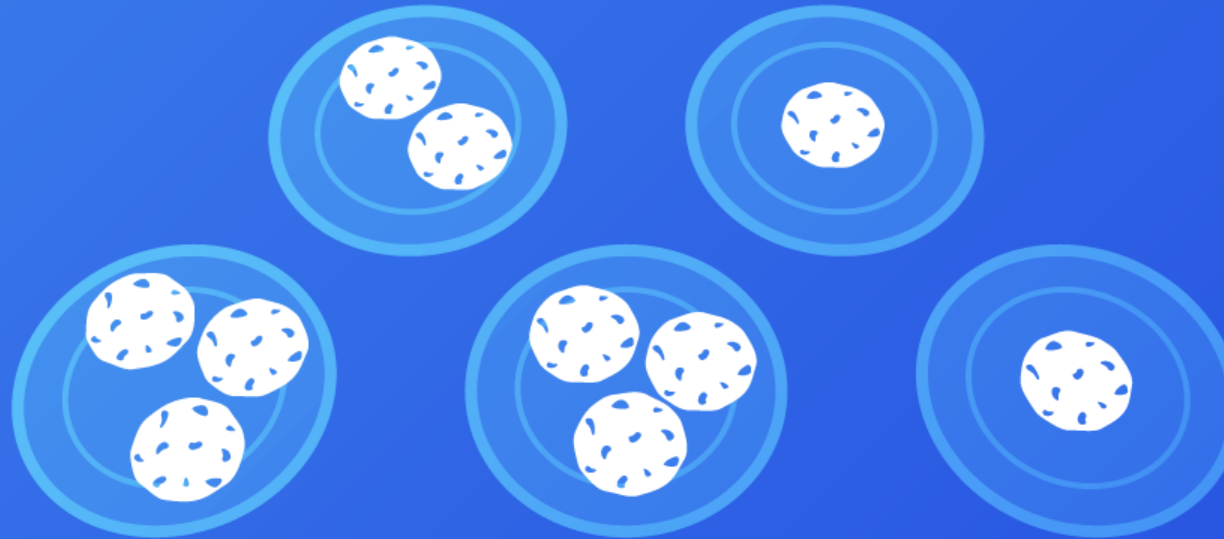
2 3 4

5 + =

How many guards do you need for this museum, so that every corner can be watched?

Guards have 360° vision, but they cannot move.

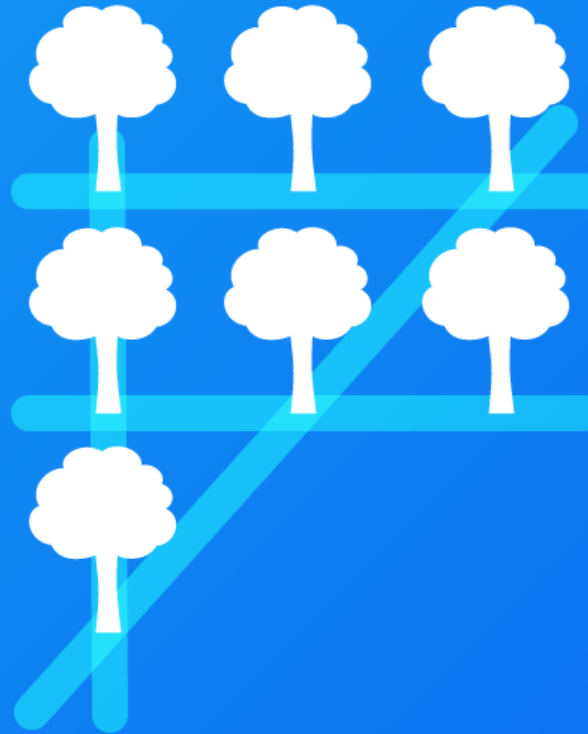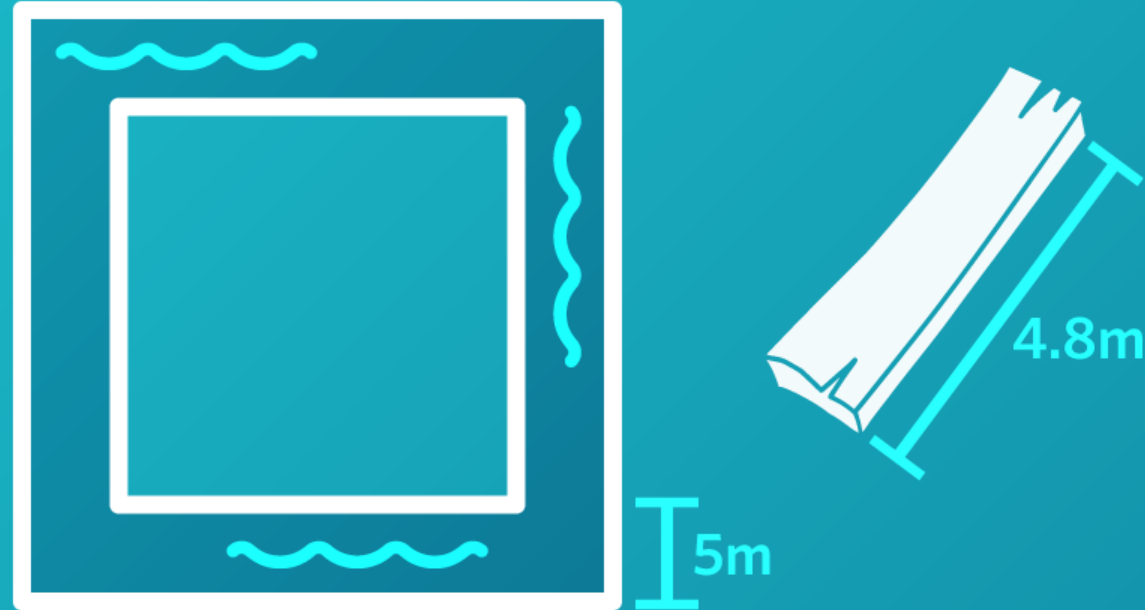**All problems taken from https://mathigon.org/puzzles**

Easy

How many ways are there to distribute 10 identical cookies between five different kids?

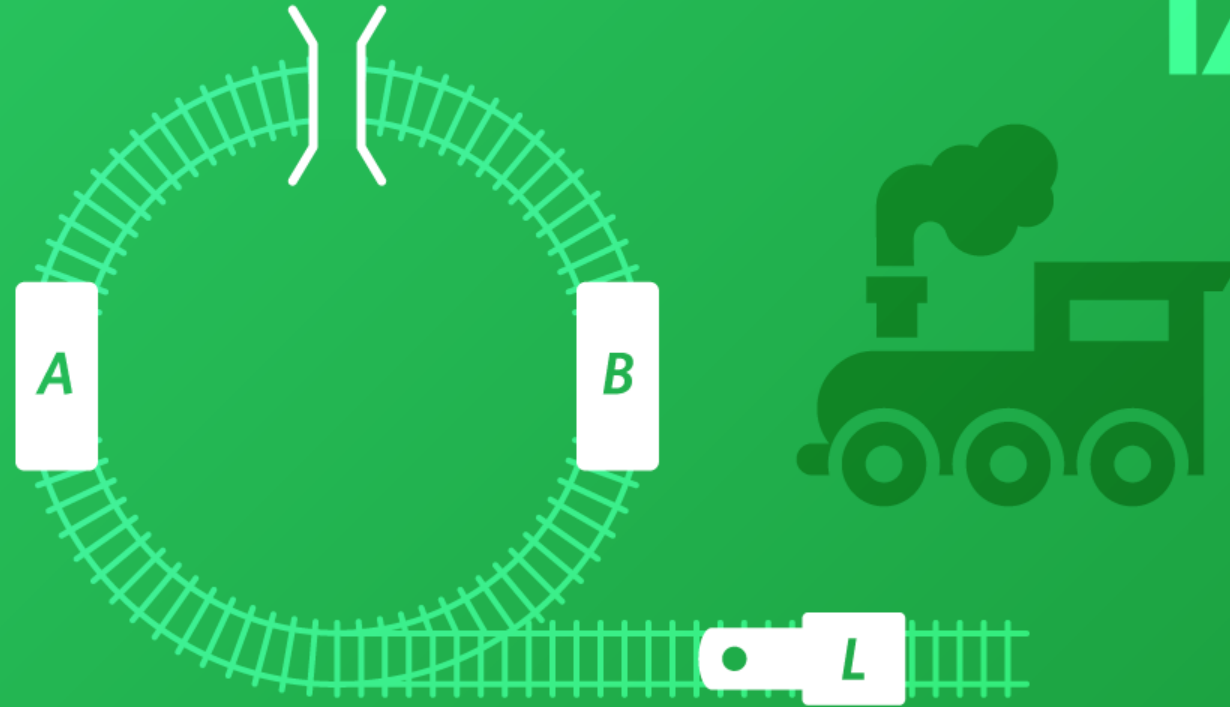*Kids don't need to receive the same number of, or any, cookies.*

Can you plant 7 trees so that there are 6 straight lines containing 3 trees each?

A castle is surrounded by a 5 meter wide, rectangular moat. Can you cross it using nothing except two planks that are 4.8 meters long?

Can the locomotive **L** switch the position of the two wagons and end up where it started? Only the locomotive can fit under the bridge.