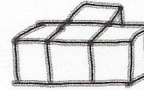## Surface area of unit cubes:
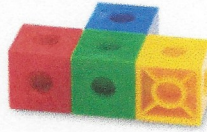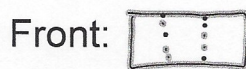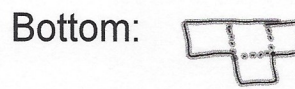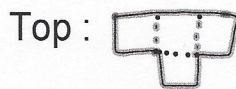
Find the surface area of the following object:

There are _two methods_ you can use to find the surface area of objects made with unit cubes.

1. Visual method:
    -count the squares visible from each view:

Top :   Bottom:

Front: Back:

$18cm^2$.

Left: Right:

2. Math Reasoning Method:

There are ____4____ blocks.

Each block has __6__ faces.

There are ____3____ overlaps.

Each overlapped faces subtracts __2__ faces.

See how they both arrived to the same result?

Therefore:

4 blocks × 6 faces = 24 faces

3 overlaps × (−2 faces) = −6 faces

18 faces