Teething Problems

Problem One

Here is one way of stacking four differently patterned cubes on top of each other.

What other ways are there?

Problem Two

Keri brushes her teeth three times every day. A toothbrush lasts her 8 weeks.
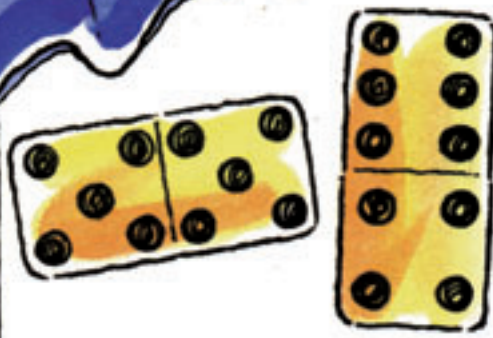
How many times does she clean her teeth with one toothbrush?

Problem Three

Only two dominoes in a set have a total of 10 dots on them.

a.   How many dominoes in a set have a total of seven dots on them?

b.   What is the total number of dots if you add up all the seven-dot dominoes?

Problem Four

A pentagon has five diagonals.

a.   How many diagonals does a hexagon have?

b.   What about an octagon?