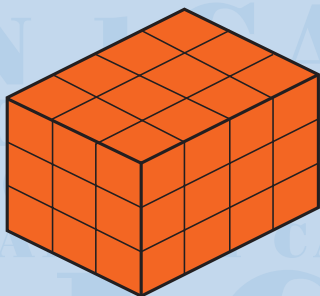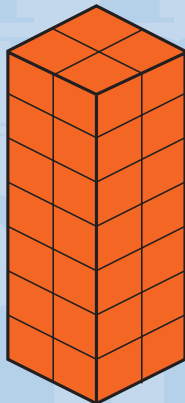# Colourful Calculations

Problem One

Ian made these shapes out of multilink cubes. Which shape used the most cubes?
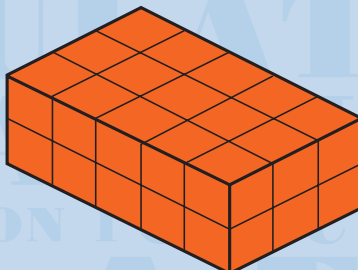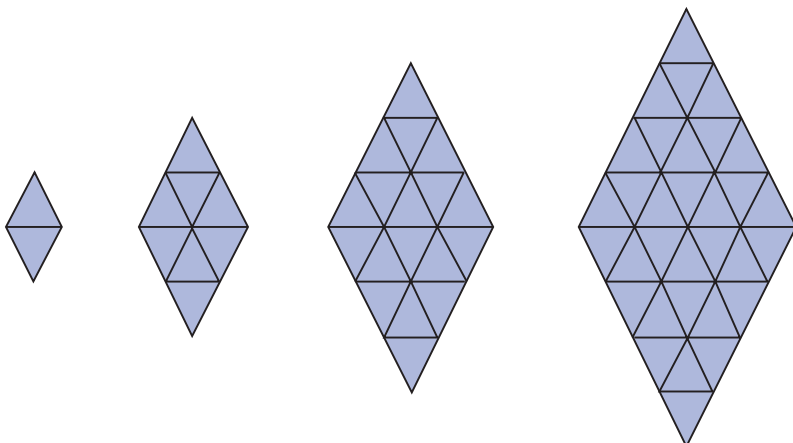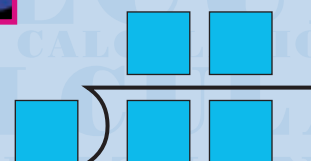
a.

b.

c.

Problem Two

How many small triangles are needed to make the next biggest diamond?

Problem Three

Arrange the digits 0, 1, 4, 5, and 6 in these boxes to make a correct division.

Problem Four

Catherine's marble bag contains 37 marbles. There are:

• four more red marbles than blue marbles

• six more yellow marbles than red marbles

• two green marbles.

How many marbles are there of each colour in her bag?

Applying problem-solving strategies