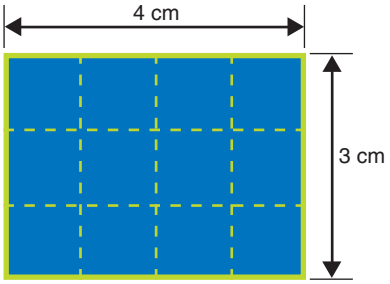
Ps for Ever

Problem One

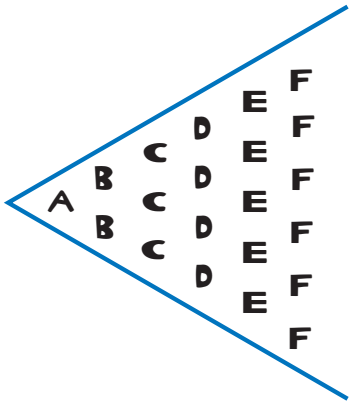
This rectangle has an area of 4 x 3 = 12 square centimetres.
It has a perimeter of 4 + 3 + 4 + 3 = 14 centimetres.
Find two rectangles where the area and perimeter are the same number. (Remember that a square is a special rectangle.)



Problem Two

Sachin needs to buy 19 kilograms of rice for the Asian food festival.
Rice comes in bags that are these sizes:

What is the cheapest way for Sachin to buy the rice?



Problem Three

a. If you continued this pattern, how many of the letter P would you need to have?

b. If the pattern ended at Z, how many letters would there be **in total**?

Problem Four

Isabella goes on holiday to Nufnus.
A postcard to New Zealand costs 30 cents to send. A letter costs 45 cents to send.
It costs Isabella $2.70 to post her mail to her friends.
What different combinations of letters and postcards could she have sent?