

Introduction

Thinking Problems – KS3 students

Two sets of problems which require thinking skills, as well as some easy maths. The maths curriculum that you will be following in school has an emphasis on problem solving and reasoning, and these problems are designed to support this aspect of your maths.

For each problem think about your strategy; what can you try, will a list of possibilities help, would a picture help, do you need to be systematic in the things that you try, can you rule out some options straight away...??

The first set has 16 problems and the second set has 18 problems. The solutions are on a separate sheet.

If there is somebody at home to help, give them the answers and try not to look at them yourself. If not, keep the answers separate and only look if you want to check your answers.

Time yourself, set a target e.g. see if you can find the correct solutions to 6 questions in 15 minutes? Have Fun!