

Worksheet: Planting Pattern Puzzlers

Activity 1: Flower bed design



For this activity you will need a sheet of A4 dark-coloured paper, coloured pens, glue, a ten pence piece and magazines for cutting up.

Park gardeners often use blocks of different colours and sizes of plants and flowers to create different patterns in the park's flower beds.

Sometimes, gardeners may use flowers to create a design which celebrates or commemorates a particular person, event or organisation – *have a look at the website to see some examples.*



Think about where you live, and your local park. What image or symbol would you choose to represent where you live? Draw a design that a gardener could plant out using different coloured flowers.

Draw your symbol on a large piece of A4 paper. Mark on the design the colours you want to use. Remember that a gardener will be limited to the number of coloured flowers he can find, so keep your colours to four or five. You can have white as a colour but not black.



You are going to create a collage flowerbed. Go through old magazines drawing round the ten pence piece on areas of the right type of colour. The area doesn't have to be all one colour. Cut out the circles of colour and stick them to the design.

You may like to use other sizes of coins or a compass to make flowers of different sizes.



Maths in Action: Using the table below, calculate how much money you will need to spend planting your flower bed.

Coin type	Cost of flowers
5p	£0.50
1p	£0.75
20p	£1.00
10p	£1.25
2p	£1.50