

Foundation

Problem Solving Challenge 1

Name of Challenge: Bugs In The Garden

Materials Needed: Colouring pencils, paper

Extension Prompt: Can you write a matching number sentence?

Enabling Prompt: There are 6 bugs in the garden.

Challenge:

I saw some bugs in my garden and I knew straight away that there were 10. How could they have been arranged?

Can you draw a diagram to show your thinking?

Foundation Problem Solving Challenge 2

Name of Challenge: 20 Pets

Materials Needed: Paper & pencil

Extension Prompt: Find all the different combinations and write the matching number sentence.

Enabling Prompt: There are 10 pets in total.

Challenge:

There are 20 animals at the shelter that are looking for a new home. Some are cats and some are dogs. How many of each might there be?

Draw a diagram to show your thinking.

Can you record an equation to match?

Foundation Problem Solving Challenge 3

Name of Challenge: Bunting Patterns

Materials Needed: Colouring pencils, paper

Extension Prompt: 4 colours

Enabling Prompt: 2 colours

Challenge:

I was at the fair and I noticed some colourful bunting that made a pattern. There were 3 different colours in the pattern.

Can you draw what this pattern might have looked like?

