**Squirrels Maths**

**Problem Solving**

**Year 2**

Here are two problem solving questions. Work slowly and carefully to find the answers.

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| 1. | On a farm there were some hens and sheep.  Altogether there were 8 heads and 22 feet.  How many hens were there? |
| 2. | There are three baskets, a brown one, a red one and a pink one, holding a total of ten eggs.  The Brown basket has one more egg in it than the Red basket.  The Red basket has three fewer eggs than the Pink basket.  How many eggs are in each basket?  **Hint**: could you draw a bar model to help you solve this problem? |
| 3. | Here are two dice.  If you add up the dots on the top you'll get 7.  Find two dice to roll yourself. Add the numbers that are on the top. What other totals could you get if you roll the dice again?  If you don’t have two dice at home, here is a net you can print or draw to make dice of your own. |

**Year 1**

1. Try question 3 from above.
2. Can you find all number bonds to 10 in a systematic way? How many pairs of numbers did you find? Can you extend this to 20?
3. Can you find all pairs of numbers that make 13?