Primary Puzzle Page – Solutions

1. Bill and Ben are twins. Bill is 40. How old is Ben? He is 40 too (if they are twins with one another).

2. If you have five cows, twelve hens and a goat, how many legs in total? 50 legs if you include your own!

3. There are three ways to make 12 by multiplying two whole numbers together: 12x1, 2x6, 3x4. Can you find numbers that have more than three different multiplications of two whole numbers? No limit. 60 has 6 different multiplications.

4. What's next? A) 31, 28, 31, 30, 31, 30…B) 7, 8, 5, 5, 3, 4… (HINT – they are related) July and August 31, 31; 4, 8

5. How many ways can you find to make the number 10 by adding or subtracting prime numbers? The same numbers but in a different order count as the same answer. 2+3+5, 2+2+3+3, 3+7, 5+5, 13-3, 17-7, 23-13 etc.

6. In any day before noon how many times is the sum of the digits of the time equal to 15? For instance, 2:58 and 11:49 are two times when this is true. 42

Taken from 'Eight Days a Week' ATM