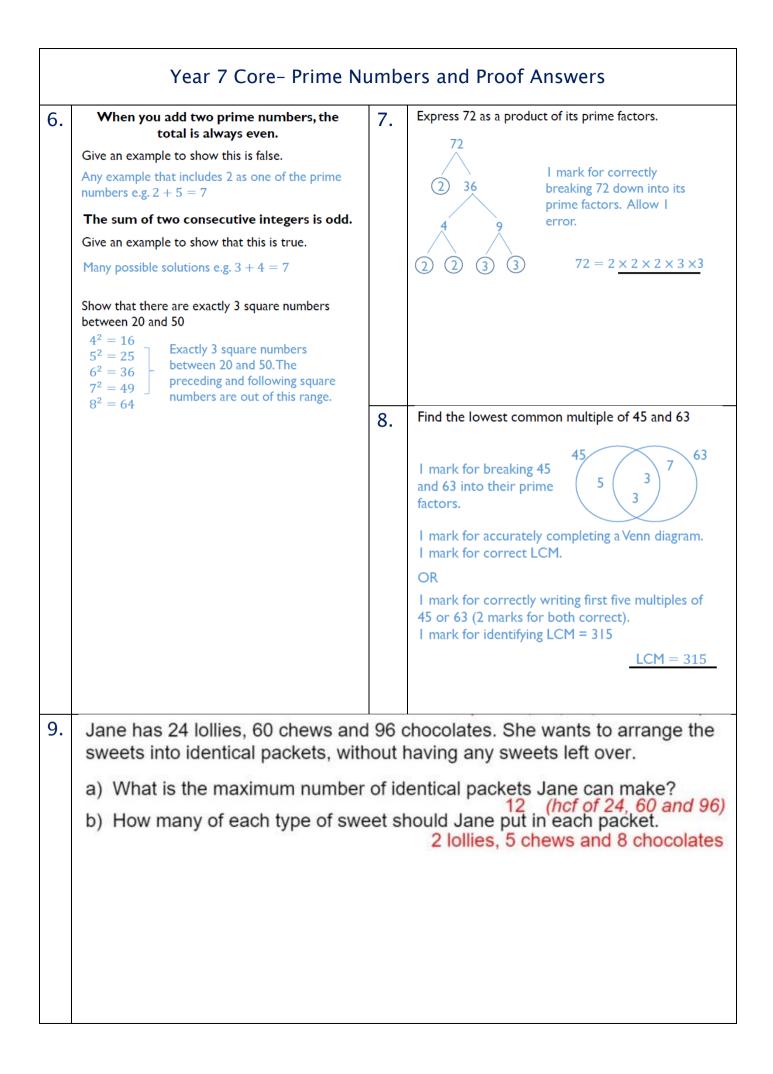
Year 7 Core - Prime Numbers and Proof Answers			
1.	32 21 30 4 3 27 37 From the numbers in the box, write down: • A factor of 16 4 4 • A multiple of 6 30 • A factor of 63 and multiple of 7 21 • An odd number that is greater than 30 37	2.	Match the sequence to its name. 2, 3, 5, 7, Square numbers 1, 4, 9, 16, Triangular numbers 1, 3, 6, 10, Prime numbers Write down a prime number between 40 and 50 41, 43 or 47
4.	What is the highest common factor of 16 and 36? I mark for correctly listing the factors of 16 and/or 36 4 Explain why 2x is a common factor of the three expressions below. $4x^2$ 8xy 6wx Shows that 2x is a factor e.g. $4x^2 = 2x \times 2x$ $8xy = 2x \times 4y$ $6wx = 2x \times 3w$	5.	Two lights flash together. The red light then flashes every 8 seconds. The blue light flashes every 6 seconds. After how many seconds will the lights flash together again? I mark for correctly listing the first 5 multiples of 6 and/or 8 24 seconds



Year 7 Higher - Prime Numbers and Proof Answers

