Factors, Multiples and Prime Numbers
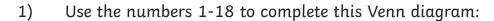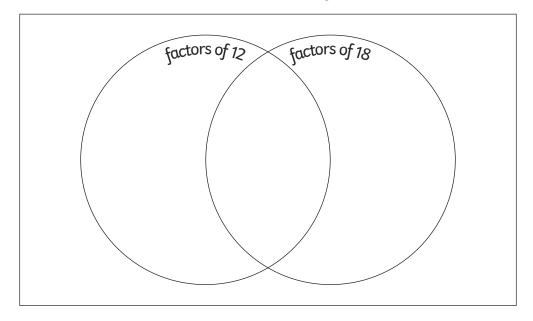
I can identify common factors, common multiples and prime numbers.
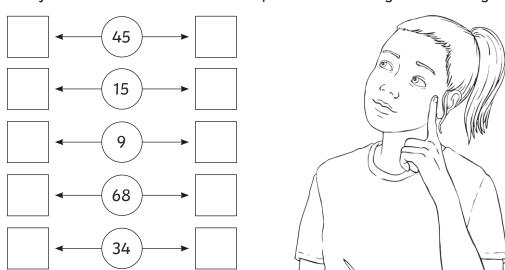
1) Use the numbers 1-18 to complete this Venn diagram:

factors of 12 factors of 18

2) What is the lowest common multiple for each set of numbers?

12 and 20 _____

6 and 14 _____

11 and 15 _____

3) Look at the numbers in the circles. Write the nearest prime number lower than the number in the left-hand boxes and the nearest prime number higher in the right-hand boxes.

☐ ← 45 → ☐

☐ ← 15 → ☐

☐ ← 9 → ☐

☐ ← 68 → ☐

☐ ← 34 → ☐

Maths I Year 6 I Addition, Subtraction, Multiplication and Division I Common Factors, Multiples and Prime Numbers I Home Learning Task: Factors, Multiples and Prime Numbers

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Factors, Multiples and Prime Numbers **Answers**

Question	Answer
1.	Use the numbers 1-18 to complete this Venn diagram:

factors of 12 · factors of 18

5 7 8 10 11

4 12

1 2 3 6

9 18

13 14 15 16 17

| **2.** | What is the lowest common multiple for each set of numbers? |

12 and 20 **60**

6 and 14 **42**

11 and 15 **165**

| **3.** | Look at the numbers in the circles. Write the nearest prime number lower than the number in the left-hand boxes and the nearest prime number higher in the right-hand boxes. |

43 ← 45 → 47

13 ← 15 → 17

7 ← 9 → 11

67 ← 68 → 71

31 ← 34 → 37