**17. Addition & 18. Numbers 14–16**

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| **Elements** | * Understanding and Connecting
 | * Communicating
 | * Reasoning
 | * Applying and Problem-Solving
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| **Pedagogical Practices** | * Using cognitively challenging tasks
 | * Promoting maths talk
 | * Fostering productive disposition
 | * Encouraging playfulness
 | * Emphasising mathematical modeling
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| **Linkage and****Integration** |
| **Algebra:** Patterns, Rules and Relationships |
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| **Differentiation** |
| Alter pace as required.Use low-threshold high-ceiling tasks and parallel tasks.Provide concrete resources.Use the Extension Activities to provide extra challenge. |
| **Assessment** |
| **Intuitive Assessment**Use maths talk, key questions and observation to assess children as they engage in learning experiences.**Planned Interactions**Use key questions to discuss children’s work with them as they engage in learning experiences.**Assessment Events**Pupil book pages 44 - 49*Maths My Way* Spring Assessment. |
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| **Strand and Strand Unit** | **Learning****Outcome(s)** | **Mathematical****Concept(s)** | **Mathematical****Language** | **Focus of****New Learning** | ✓ | **Learning****Experiences** |
| **Week 1** | **Number:** Sets and Operations | Recognise and understand what happens when quantities (sets) are partitioned and combined. | * Quantities (or sets) can be partitioned and combined.
* Adding a natural number to a natural number makes the number (quantity) bigger.
 | add, combine, put together, ‘How many altogether?’, plus,equals, makes, same as, ‘How many more?’ | 1. Combine sets to 10 using a 10 frame.
 |  | * Create addition stories using 10 frames and counters.
* Practice adding numbers on a domino.
* Create number stories by choosing two number cards from a deck.
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| 1. Use different strategies to solve addition problems to 10.
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| 1. Write addition stories to 10 with + and = signs.
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| 1. Solve addition word problems to 10.
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| **Week 2** | **Number:** Numeration and Counting | Develop an awareness that the purpose of counting is to quantify. Use a range of counting strategies for a range of purposes. Develop a sense of ten as the foundation for place value and counting. | * Quantities can be subitised and compared without needing to count or assign a numerical value.
* There are five principles of counting: one-one, stable order, cardinal, order irrelevance and abstraction. The last number in the count indicates the quantity in a set.
* There are a range of counting strategies, including grouping objects and arranging objects in various visual configurations.
* Numbers can be distinguished according to their quantitative value.
* The base of our number system is ten. The base-ten number system consists of 10 digits and is based on groups of ten. In a double-digit number, the digit to the left denotes the greater value.
 | numbers 1–16, digit, double digits,after, before, count on, tens, ones, ‘How many?’, ‘How many tens/ones?’ | 1. Introduce 14, 15 and 16.
 |  | * Order number cards from 1–16.
* Write and decorate numbers 14, 15, and 16.
* Use cubes to make towers of different heights, up to 16 cubes.
* Play Simon Says repeating actions 14, 15 and 16 times (e.g. hops, jumping jacks)
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| 1. Explore 14, 15 and 16.
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| 1. Introduce place value.
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| 1. Explore place value.
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**Overview**



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| **Week 1** | **Lesson 1** | **Lesson 2** | **Lesson 3** | **Lesson 4** | **Lesson 5** |
| **Focus of New Learning** | Combine sets to 10 using a 10 frame. | Use different strategies to solve addition problems to 10. | Write addition stories to 10 with + and = signs. | Solve addition word problems to 10. | Weekly review. |
| **Slides** | 17.1 | 17.2 | 17.3 | 17.4 | 17.5 |
| **Book** |  |  | p.44 |  | p.45 |
| **Concrete Resources** | 10 frames, different coloured counters, number tracks, dice |
| **Digital Resources** | Bear’s Adventures: Maths Eyes Poster17. Addition story quiz17. Addition: Game17. Addition: Printable17. Planet Maths: Number Line | 17. Planet Maths: Add17. Planet Maths: Number Line17. Planet Maths: Number Line (2)17. Planet Maths: Count to 6 |

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| **Week 2** | **Lesson 1** | **Lesson 2** | **Lesson 3** | **Lesson 4** | **Lesson 5** |
| **Focus of New Learning** | Introduce 14, 15 and 16. | Explore 14, 15 and 16. | Introduce place value. | Explore place value. | Weekly review. |
| **Slides** | 18.1 | 18.2 | 18.3 | 18.4 | 18.5 |
| **Book** | p.46  | p.47  | p.48  | p.49  |   |
| **Concrete Resources** | 10 frames, counters, small countable manipulatives, Dienes blocks |
| **Digital Resources** | 18. Numbers 14–16: Game18. Number 14–16: Printables |