|  |  |  |
| --- | --- | --- |
|  | **Strategies in** [***Number Talks: Helping children Build Mental Math and Computation Strategies***](https://www.bookdepository.com/Number-Talks-Whole-Number-Computation-Grades-K-5-A-Multimedia-Professional-Learning-Resource-Sherry-Parrish/9781935099659) | **Where these feature in *Operation Maths*** |
| **OM1** | **OM2** | **OM3** | **OM4** | **OM5** | **OM6** |
| **Addition** | Counting on (from the biggest number) | ✓ | ✓ |  |  |  |  |
| Doubles/Near Doubles | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Making Tens (or powers of 10) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Making Landmark or Friendly Numbers | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Compensation | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Breaking into Place Value parts (Partitioning) |  |  | ✓ | ✓ | ✓ | ✓ |
| Adding up in chunks/stages (Sequencing)  |  |  |  | ✓ | ✓ | ✓ |
|  |  |  |  |  |  |  |  |
| **Subtraction** | Adding up (complementary addition) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Removal or counting back | ✓ | ✓ |  |  | ✓ | ✓ |
| Place Value and negative numbers (Partitioning) |  |  | ✓ | ✓ | ✓ | ✓ |
| Constant Difference |  |  |  | ✓ | ✓ | ✓ |
| Adjusting to create an easier problem |  |  |  |  | ✓ | ✓ |
|  |  |  |  |  |  |  |  |
| **Multiplication** | Repeated Addition or Skip Counting |  |  | ✓ | ✓ |  |  |
| Making Landmark or Friendly Numbers |  |  | ✓ | ✓ | ✓ |  |
| Partial Products |  |  | ✓ | ✓ | ✓ |  |
| Doubling and Halving |  |  |  | ✓ | ✓ |  |
| Breaking Factors into Smaller Factors (Associative Property) |  |  |  |  |  | ✓ |
|  |  |  |  |  |  |  |  |
| **Division** | Repeated Subtraction or Sharing  |  |  | ✓ | ✓ | ✓ |  |
| Multiplying up |  |  | ✓ | ✓ | ✓ | ✓ |
| Partial Quotients |  |  |  |  | ✓ | ✓ |
| Proportional reasoning |  |  |  |  |  | ✓ |