#### MP Interviews: Structure of the instrument

The instrument is a combination of items from Wright et al (2006) and Askew et al (1997) and consists of 24 tasks in total. Individual questions are grouped together to constitute a full picture for a particular aspect of early numeracy, for example conceptual place value. Learners were interviewed in their language of learning and teaching (LOLT) with translation into their home language where necessary.

Table 1 describes each individual task, its number, which aspect of the LFIN is addressed and the origin of the question (either Wright et al or Askew et al). Table 2 illustrates the spread of tasks across the LFIN aspects.

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| Table 1: Summary of MP interview instrument structure

| **Task no.**  | **Task Number & Description** | **No of subparts in task** | **Aspect of LFIN addressed** | **Origin of question** |
| --- | --- | --- | --- | --- |
| Interview part 1 |
| 1 | Numeral Identification | 10 | Aspect B | Wright et al |
| 2 | Number line representation | 2 | Aspect B | Askew et al |
| 3 | Forward number word sequences | 3 | Aspect B | Wright et al |
| 4 | Backward number word sequences | 3 | Aspect B | Wright et al |
| 5 | Number word before | 6 | Aspect B | Wright et al |
| 6 | Number word after | 6 | Aspect B | Wright et al |
| 7 | Sequencing numerals | 2 | Aspect B | Wright et al |
| 8 | Perceptual counting | 2 | Aspect B | Wright et al |
| 9 | Counting in incrementing 10s | 5 | Aspect C | Wright et al |
| 10 | Addition/subtraction with 10s | 4 | Aspect C | Askew et al |
| 11 | Addition/subtraction with 100s | 4 | Aspect C | Askew et al |
| Interview part 2 |
| 12 | Horizontal +/- sentences | 4 | Aspect D | Wright et al |
| 13 | Word problems | 3 | Aspect D | Askew et al |
| 14 | Number stories | 1 | Aspect D | Askew et al |
| 15 | Non counting by 1s | 6 | Aspect D | Wright et al |
| 16 | Number combinations | 6 | Aspect A | Wright et al |
| Interview part 3 |
| 17 | Visible items in an array (Subitising) | 3 | Aspect E | Wright et al |
| 18 | Visible items in an array (Subitising) | 2 | Aspect E | Askew et al |
| 19 | Visible items in an array (Subitising) | 2 | Aspect E | Askew et al |
| 20 | Equal grouping of visible items | 3 | Aspect E | Wright et al |
| 21 | Equal grouping of visible items | 2 | Aspect E | Wright et al |
| 22 | Equal grouping of visible items | 3 | Aspect E | Wright et al |
| 23 | Times tables | 4 | Aspect E | Askew et al |
| 24 | ½ and ¼ of a collection | 2 | Aspect E | Askew et al |
|  |  |  |  |  |
|  | Number of Wright et al questions | 63 | in | 15 tasks |
|  | Number of Askew et al questions | 25 | in | 9 tasks |
|  | **Total number of questions** | **88** | in | 24 tasks |

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| Table 2: Summary of tasks and questions in each LFIN aspect

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| --- | --- | --- | --- | --- | --- |
| LFIN Aspect | Aspect A | Aspect B | Aspect C | Aspect D | Aspect E |
| **Task Numbers** | **16** | **1 to 8** | **9, 10 and 11** | **12 to 15** | **17 to 24** |
| Number of tasks for each aspect(24 tasks in total) | 1 | 8 | 3 | 4 | 8 |
| Number of questions for each aspect(88 questions in total) | 6 | 34 | 13 | 14 | 21 |

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