**Appendix B**

Sample Items

***Questions and Answers for the IKAN Timed Assessment (Form 1)***

For an example of the video administration of the written assessment, visit: <https://nzmaths.co.nz/sites/default/files/Numeracy/IKAN/new/ikan1_audio.mp4>.

|  | **Part 1 (Stage 4)** | **Part 2 (Stage 5)** | **Part 3 (Stage 6)** | **Part 4 (Stage 7)** | **Part 5 (Stage 8)** |
| --- | --- | --- | --- | --- | --- |
| **1** | What number is one more than 49?  **50** | What number is one more than 599?  **600** | What number is one more than 439,999?  **440,000** | Which decimal is the biggest, 0.639, 0.9, 0.84? **0.9** | Which fraction is the biggest, 3/4, 73/100, 7/10? **3/4** |
| **2** | What number is one less than 30?  **29** | What number is one less than 1000?  **999** | What number is one less than 801,000?  **800,999** | Which decimal is the smallest: 2.4, 2.71, 2.084? **2.084** | Which is the smallest? 2/3, 0.6, or 70%  **0.6** |
| **3** | Write the fraction for one half.  **1/2** | Write the fraction for five quarters.  **5/4** | Write these fractions in order of size, smallest to biggest: 1/5, 1/7, 1/6  **1/7, 1/6, 1/5** | Which number is the same as 3/5? 5/3, 12/20, 1 2/3, 4/6  **12/20** | How many hundredths are in all of 6.073?  **607 or 607.3** |
| **4** | Write the fraction for one fifth.  **1/5** | Write these fractions in order of size, smallest to biggest: 3/4, 1/4, 2/4  **1/4, 2/4, 3/4** | Write 4 and 1/5 as a fraction.  **21/5** | Which fraction is the smallest: 3/8 4/10 1/3?  **1/3** | What number is half way between 4.8 and 4.7? **4.75** |
| **5** | How many tens are in 80?  **8** | How many tens are in all of the number 832?  **83 or 83.2** | How many hundreds are in all of this number, 53,605?  **536 or 536.05** | Round the following decimal to the nearest tenth: 6.49  **6.5** | What is the simplest fraction for 80%?  **4/5** |
| **6** | What is the number for nine groups of ten?  **90** | What is the number for 49 groups of ten?  **490** | How many tenths are in all of the number, 5.8?  **58** | How many thousands are in all of 6 457 894?  **6457 or 6457.894** | What is 1.3 written as a percentage?  **130%** |
| **7** | 7 + 7 =? **14** | 7 + 9 =? **16** | 15 – 8 = ? **7** | 63 ÷ 9 = ? **7** | What is the least common multiple of 6 and 9? **18** |
| **8** | Half of 18 is ? **9** | 5 x 7 = ? **35** | 6 x 7 = ? **42** | What number divided by 7 gives 6? **42** | What is the highest common factor of 36 and 48? **12** |

***Sample Items from GloSS***

For additional sample items, visit <https://nzmaths.co.nz/gloss-forms>.

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