

| Trend Task: | | Digits | |
|--|--|--------------------------|---------|
| Approach: | One to one | Year: | 4 & 8 |
| Focus: | Ordering and reading numbers | | |
| Resources: | Digit cards (3, 5, 8, 1), decimal point card, recording book | | |
| Questions / instructions: | | % response 2005 ('01) | |
| | | year 4 | year 8 |
| In this activity we are going to be using 3, 5, 8 and 1. | | | |
| Put digit cards (3, 5, 8, 1) in front of student. | | | |
| 1. Use these 4 cards to make the biggest number you can. | 8 5 3 1 | 83 (79) | 98 (97) |
| Record the number the student makes. | | | |
| 2. Read your number to me. | read correctly with all usual place values | 73 (67) | 97 (91) |
| 3. Now use the 4 cards to make the smallest number you can. | 1 3 5 8 | 84 (79) | 97 (95) |
| Record the number the student makes. | | | |
| 4. Read your number to me. | read correctly with all usual place values | 74 (69) | 97 (92) |
| YEAR 8 ONLY: | | | |
| Put the decimal point card in front of the student. | | | |
| 5. Now use this decimal point card and the other 4 cards. Make the biggest number you can, with only one number after the decimal point. | 8 5 3 . 1 | • | 79 (80) |
| Record the number the student makes. | | | |
| 6. Read your number to me. | read correctly with all usual place values plus "point" | • | 87 (76) |
| 7. Now use the 5 cards to make the smallest number you can with two numbers after the decimal point. | 1 3 . 5 8 | • | 79 (76) |
| Record the number the student makes. | | | |
| 8. Read your number to me. | read correctly with all usual place values plus "point" | • | 63 (50) |
| Total score: | | • | 46 (29) |
| | | • | 38 (47) |
| | | • | 10 (14) |
| | | • | 3 (8) |
| | | 73 (71) | 2 (1) |
| | | 15 (14) | 1 (0) |
| [Note: Maximum score of 8 for year 4] | | 0–2 | 12 (15) |
| | | | 0 (0) |
| Commentary: | | | |

Overall, students performed quite well on this task. Year 8 students displayed a solid command of the use of decimals. Gains from 2001 to 2005 were seen, particularly at year 8 level.