### Chapter 3: Number

#### **Calculator Ordering** TREND

One to one

Level: Year 4 and year 8

Focus: Putting numbers into ascending order.

Resources: 6 pictures of red calculators; 6 pictures of blue calculators; recording book.

Questions/instructions:

# Arrange the red calculators in order A - F.

Approach:

Here are 6 pictures of calculators with different answers.

## Hand the student the red picture cards.

1. Put the calculators in order starting with the smallest number and ending with the biggest number.

Allow time.

% responses

2. Now read the numbers out loud one 2001 ('97) 2001 ('97)

year 4 at a time starting with the smallest

year 8 number.

6 70 (71)

number placed correctly:

95 (96) 4-5

25 (23) 3 (4)

4 (5) 2 - 3

1(0)

0 - 11 (1) 1(0)Read correctly: calculator: F: 14 99 (95) 100 (100) C: 41 99 (95) 100 (100) 104 E: 93 (88) 98 (97)

B: 140 92 (87) 97 (97) 4010 56 (43) 94 (93) Ε F D: 4100 58 (42) 89 (88)

YEAR 8 ONLY: Arrange the blue calculators in order G - L. Now here are 6 pictures of calculators with different

answers. Hand the student the blue picture cards.

#### 3. Now put these calculators in order starting with the

smallest number and ending with the biggest number.

Allow time. % responses

4. Now read these numbers out loud one at a 2001 ('97)

time starting with the smallest number,		year 8
and I'll write them down.		
number placed correctly:	6	22 (21)
.05 1.26 1.5	<i>h</i> =	0 (10)

and I'll write them down.		
number placed correctly:	6	22 (2
.05 1.26 1.5 EDDE EDDE EDDE EDDE EDDE	4-5	9 (10

number	olaced correctly:	6	22 (2
,05 ====================================	1.5	4-5	9 (10

IIU	mber place	ed correctly:	O	ZZ (Z
.05	1.26	1.5	4-5	9 (10
0000		<u> </u>	1 )	) (I(
0000		0.00	7 2	52 (5

.05	1.26	1.5	4-5	9 (10
9000	0000	9000		
9999	9999	9995	2-3	52 (5

.00 2000		0000 0000	4-5	9 (10)
0000 0000	0006 0006		2-3	52 (50)
<b>©000</b>	<b>©008</b>	6000	0-1	17 (19)

G H			` ` ` `
<b>Read correctly:</b> calculator G: 05			
501 .52 1.251	J:	.501	75 (73)
501 .52 1.251	K	.52	75 (70)
0000 0000 0000			

0000	9000	0000	K	• ) 4	/ ) (/0)
0000 0000 0000 0000		0000 0000 0000 0000	L:	1.251	82 (82)
J		L	H:	1.26	81 (80)
			I:	1.5	97 (96)

**Commentary** 

Both for year 4 and year 8 students the results in 1997 and 2001 were very similar.