

Table 4.4 Pre- and post-intervention results of the experimental and control groups analysed by a statistician

MAKAPANE PRIMARY SCHOOL - EXPERIMENTAL					DR NHLAPO PRIMARY SCHOOL - CONTROL				
QUESTION NO.	% CORRECT ANSWERS PRE-TEST	% CORRECT ANSWERS POST TEST	% VARIANCE BETWEEN PRE AND POST	SIGNIFICANCE BETWEEN PRE & POST p < 0.05	QUESTION NO.	% CORRECT ANSWERS PRE-TEST	% CORRECT ANSWERS POST TEST	% VARIANCE BETWEEN PRE AND POST	SIGNIFICANCE BETWEEN PRE & POST p < 0.05
1	20.0	68.5	48.5	0.00	1	30.0	42.9	12.9	0.27
2	74.5	78.2	3.7	0.64	2	77.3	61.9	-15.4	0.27
3	52.7	86.8	34.1	0.00	3	45.5	38.1	-7.4	0.33
4	78.2	89.1	10.9	0.06	4	77.3	90.9	13.6	0.08
5	33.3	48.1	14.8	0.12	5	50.0	59.1	9.1	0.58
6	58.2	70.9	12.7	0.09	6	72.7	72.7	0.0	1.00
7	92.7	94.5	1.8	1.00	7	86.4	86.4	0.0	1.00
8.1	96.4	98.2	1.8	0.57	8.1	100.0	100.0	0.0	-
8.2	100.0	98.2	-1.8	0.32	8.2	100.0	100.0	0.0	-
8.3	100.0	98.2	-1.8	0.32	8.3	81.8	95.5	13.7	0.83
8.4	100.0	98.2	-1.8	0.32	8.4	100.0	100.0	0.0	-
9a	23.6	20.0	-3.6	0.50	9a	13.6	22.7	9.1	0.33
9b	18.2	27.3	9.1	0.35	9b	22.7	18.2	-4.5	0.67
9c	3.6	3.6	0.0	1.00	9c	4.5	0.0	-4.5	0.33
9d	1.8	27.3	25.5	0.00	9d	22.7	18.2	-4.5	0.58
9e	87.3	89.1	1.8	0.53	9e	72.7	90.9	18.2	0.04
9f	0.0	1.8	1.8	0.32	9f	4.5	4.5	0.0	-
9g	0.0	3.6	3.6	0.16	9g	4.5	4.5	0.0	-
10.1	74.0	74.5	0.5	0.60	10.1	76.2	72.7	-3.5	0.72
10.2	21.6	56.4	34.8	0.00	10.2	47.6	45.5	-2.1	1.00
10.3	7.8	38.2	30.4	0.00	10.3	33.3	23.8	-9.5	0.72
11	21.8	12.7	-9.1	0.23	11	13.6	19.0	5.4	0.08
12	18.5	32.7	14.2	0.05	12	4.8	9.1	4.3	0.58

13	47.3	71.7	24.4	0.01	13	36.4	42.9	6.5	0.33
14.1	73.0	80.0	7.0	0.13	14.1	71.4	66.7	-4.7	1.00
14.2	18.9	26.0	7.1	0.21	14.2	18.2	10.0	-8.2	0.33
14.3	36.1	44.0	7.9	0.08	14.3	36.4	23.8	-12.6	0.19
14.4	13.5	23.5	10.0	0.21	14.4	23.8	66.7	42.9	1.00
15	70.9	92.7	21.8	0.00	15	77.3	90.9	13.6	0.19
16	64.8	88.9	24.1	0.00	16	70.0	70.0	0.0	0.67
17	17.0	24.1	7.1	0.47	17	36.4	23.8	-12.6	0.49
18	55.6	72.7	17.1	0.07	18	68.2	54.5	-13.7	0.19
19	64.2	88.2	24.0	0.00	19	95.5	86.4	-9.1	0.16
20	13.0	25.5	12.5	0.03	20	14.3	22.7	8.4	0.33
21	46.3	61.8	15.5	0.06	21	40.9	45.5	4.6	0.72
22	38.9	70.9	32.0	0.00	22	45.5	47.6	2.1	1.00
23	66.0	92.6	26.6	0.00	23	63.6	68.2	4.6	0.72
24	16.7	56.4	39.7	0.00	24	31.8	22.7	-9.1	0.33
MEAN	45.4	58.8	13.4	0.00	MEAN	49.2	50.5	1.3	0.54