8 REFERENCES


Conference of the Australian Association for Research in Education, Auckland, New Zealand.


194


9 APPENDICES

9.1 APPENDIX A – PICTURE 1 ITEMS

Pictures

- Show the picture on the opposite page to the child. Ask him/her to point to some carrots and wait for their response.

- Continue this procedure, asking for:
  
  the knife, (either knife is correct),
  a fork, (either fork is correct),
  a cupboard,
  some cherries,
  a pan, (the wok is also correct),
  a bowl.

- On the Pupil Record Sheet put a line through the bracket underneath each picture correctly identified. If the child could not identify any of the pictures put a line through the bracket underneath ‘no score’.

- If the score was less than 3 go straight to Ideas about Reading otherwise continue with the next page.
### 9.2 APPENDIX B – ITEM - LEARNER STATISTICS – ALL LEARNERS

**TABLE 6.1 Baseline Picture Vocabulary Test**

**INPUT:** 1362 Learners 22 Objects

**MEASURED:** 1221 Learners 7 Objects 2 CATS

| Learner: REAL SEP.: .00 REL.: .00 | Object: REAL SEP.: 8.01 REL.: .98 |

**Learner STATISTICS: MISFIT ORDER ALL 3 LANGUAGES PVT 1**

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## 9.3 APPENDIX C – PICTURE 1 OBJECT STATISTICS – ALL LANGUAGES

### TABLE 10.1 Baseline Picture Vocabulary Test

**INPUT:** 1362 Learners  22 Objects  
**MEASURED:** 1221 Learners  7 Objects  2 CATS

---

Learner: REAL SEP.: .00  REL.: .00  
Object: REAL SEP.: 8.01  REL.: .98

Object STATISTICS: MISFIT ORDER FOR ALL 3 LANGUAGES pvt1

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| MEAN | 6.2 | 6.2 | 5.44 | 2.01 | 1.55 | .8 | .76 | .1 | | 78.6 | 89.4 |
| S.D. | .9  | .9  | .46  | .10  | .90  | 1.1 | .56 | .6 | | 15.5 | 1.5 |

"???????2" Learner STATISTICS: MISFIT ORDER AFR PVT 1
# 9.5 APPENDIX E –OBJECT STATISTICS AFRIKAANS – PICTURE 1

## TABLE 10.1 Baseline Picture Vocabulary Test

**INPUT:** 1362 Learners 22 Objects  **MEASURED:** 303 Learners 7 Objects 2 CATS

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<th>OUTFIT</th>
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| MEAN 1022.4 | S.D. 223.4 | 1105.1 | .00 | .43 | .88 | .1 | .73 | .3 | | 89.5 | 89.5 |
|-------------|-------------|---------|------|------|------|------|------|------|------|-----|-----|-----|
| S.D. 223.4  | 246.2       | 2.70    | .32  | .14  | .6  | .89  | 4.5  | | 12.0 | 11.9 |
### OBJECT ORDER AFRIKAANS PICTURE 1

#### TABLE 13.1 Baseline Picture Vocabulary Test

**INPUT:** 1362 Learners 22 Objects  **MEASURED:** 303 Learners 7 Objects 2 CATS

---

Learner: REAL SEP.: .00 REL.: .00  
Object: REAL SEP.: 4.97 REL.: .96

---

Object STATISTICS: MEASURE ORDER AFRIKAANS PVT1 BASELINE

| ENTRY NUMBER | TOTAL SCORE | COUNT MEASURE | MODEL S.E. | INFIT MNSQ ZSTD | OUTFIT MNSQ ZSTD | PT-MEASURE CORR. EXP. OBS% EXP% Object |
|--------------|-------------|---------------|------------|----------------|----------------|-------------------------------|----------------|
| 6            | 950         | 1306          | 4.33       | .10 | 1.05 | 1.5 | 2.68 | 9.9 | .71 | .74 | 70.5 70.6 | Pan            |
| 7            | 1132        | 1307          | 2.67       | .10 | 1.01 | .2 | 1.03 | .6 | .59 | .59 | 72.7 73.0 | Bowl           |
| 5            | 559         | 587           | 1.55       | .22 | .94 | -.3 | .93 | -.3 | .46 | .44 | 87.6 86.9 | Cherries       |
| 4            | 906         | 913           | -.85       | .42 | .77 | -.6 | .23 | -.2 | .34 | .24 | 98.4 98.0 | Cupboard       |
| 1            | 1250        | 1260          | -1.52      | .38 | 1.01 | .1 | .14 | -2.4 | .34 | .29 | 98.2 98.4 | Carrots        |
| 3            | 1146        | 1148          | -2.67      | .74 | .74 | -.2 | .06 | -2.7 | .21 | .13 | 99.5 99.5 | Fork           |
| 2            | 1214        | 1215          | -3.51      | 1.02 | .67 | -.1 | .01 | -5.3 | .17 | .09 | 99.8 99.8 | Knife          |

---

**MEAN** 1022.4 1105.1  .00  .43  .88  .1  .73  -.3  | 89.5 89.5

**S.D.** 223.4 246.2  2.70  .32  .14  .6  .89  4.5  | 12.0 11.9

---
### 9.7 APPENDIX G – LEARNER – ITEM STATISTICS ENGLISH PICTURE 1

**TABLE 6.1 Baseline Picture Vocabulary Test**

**INPUT:** 1362 Learners 22 Objects  **MEASURED:** 514 Learners 7 Objects 2 CATS

---

Learner: REAL SEP.: .00  REL.: .00  
Object: REAL SEP.: 5.28  REL.: .97

"???????1" Learner STATISTICS: MISFIT ORDER ENG PVT1

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<td>.05</td>
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<td>a</td>
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<td>.82</td>
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</table>

| MEAN   | 5.8  | 6.0  | 4.90 | 1.93 | 2.17 | 1.4  | .93 | .4 |
| S.D.   | 1.3  | 1.2  | .86  | .22  | .59  | .27  | .3 |

BETTER FITTING OMITTED

| MEAN   | 5.8  | 6.0  | 4.90 | 1.93 | 2.17 | 1.4  | .93 | .4 |
| S.D.   | 1.3  | 1.2  | .86  | .22  | .59  | .27  | .3 |
## APPENDIX H – ITEM STATISTICS ENGLISH PICTURE 1

### TABLE 10.1 Baseline Picture Vocabulary Test

**INPUT:** 1362 Learners  22 Objects  **MEASURED:**  514 Learners  7 Objects  2 CATS

---

**Learner:** REAL SEP.: 1.74  REL.: .75  
**Object:** REAL SEP.:  8.93  REL.: .99

Object STATISTICS: MISFIT ORDER English PICTURE 1 BASELINE

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<th>COUNT MEASURE</th>
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<th>OUTFIT</th>
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<th>CORR. EXP.</th>
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**MEAN** 1034.1  1117.0 -2.82  .37 | 1.05 .7 | 1.62 .7 | | 93.1  93.9 |

**S.D.** 226.4  236.8  2.40  .31 | .14 1.5 | 1.41 4.5 | | 9.0  7.4 |
### APPENDIX I – ITEM ORDER PICTURE 1 ENGLISH

**TABLE 13.1 Baseline Picture Vocabulary Test**

**INPUT:** 1362 Learners  22 Objects  **MEASURED:** 514 Learners  7 Objects  2 CATS

Learner: REAL SEP.: 1.74  REL.: .75  ...  Object: REAL SEP.: 8.93  REL.: .99

Object STATISTICS:  MEASURE ORDER English PVT1 BASELINE

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V
**9.10 APPENDIX J – LEARNER – ITEM STATISTICS SEPEDI PICTURE 1**

TABLE 6.1 Baseline Picture Vocabulary Test

**INPUT:** 1362 Learners  22 Objects  **MEASURED:** 404 Learners  7 Objects  2 CATS

Learner: REAL SEP.: .00  REL.: .00  Object: REAL SEP.: 4.85  REL.: .96

"????????3" Learner STATISTICS:  MISFIT ORDER SEPEDI PVT1

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</table>

**BETTER FITTING OMITTED**

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|  1229 |   5 |   6 |  3.20 |  1.48 | .47 | -1.0 | .20 | -.4 | x | .69 | .62 | 100.0 | 86.6 | 11010533 |
|  1232 |   5 |   6 |  3.20 |  1.48 | .47 | -1.0 | .20 | -.4 | w | .69 | .62 | 100.0 | 86.6 | 11010613 |
|  1234 |   5 |   6 |  3.20 |  1.48 | .47 | -1.0 | .20 | -.4 | v | .69 | .62 | 100.0 | 86.6 | 11010663 |
|  1242 |   5 |   6 |  3.20 |  1.48 | .47 | -1.0 | .20 | -.4 | u | .69 | .62 | 100.0 | 86.6 | 11010693 |
|  1245 |   5 |   6 |  3.20 |  1.48 | .47 | -1.0 | .20 | -.4 | t | .69 | .62 | 100.0 | 86.6 | 11010723 |
|  1250 |   5 |   6 |  3.20 |  1.48 | .47 | -1.0 | .20 | -.4 | s | .69 | .62 | 100.0 | 86.6 | 11010783 |
|  116 |   4 |   6 |  .57 |  1.84 | .13 | -.6 | .08 | -.7 | r | .94 | .86 | 100.0 | 93.3 | 5010343 |
|  202 |   4 |   6 |  .57 |  1.84 | .13 | -.6 | .08 | -.7 | q | .94 | .86 | 100.0 | 93.3 | 7010363 |
|  212 |   4 |   6 |  .57 |  1.84 | .13 | -.6 | .08 | -.7 | p | .94 | .86 | 100.0 | 93.3 | 7010463 |
|  227 |   4 |   6 |  .57 |  1.84 | .13 | -.6 | .08 | -.7 | o | .94 | .86 | 100.0 | 93.3 | 7010633 |
|  240 |   4 |   6 |  .57 |  1.84 | .13 | -.6 | .08 | -.7 | n | .94 | .86 | 100.0 | 93.3 | 7010773 |
|  664 |   4 |   6 |  .57 |  1.84 | .13 | -.6 | .08 | -.7 | m | .94 | .86 | 100.0 | 93.3 | 24010533 |
|  954 |   4 |   6 |  .57 |  1.84 | .13 | -.6 | .08 | -.7 | l | .94 | .86 | 100.0 | 93.3 | 13010243 |
|  1060 |   4 |   6 |  .57 |  1.84 | .13 | -.6 | .08 | -.7 | k | .94 | .86 | 100.0 | 93.3 | 14010653 |
|  112 |   3 |   5 |  -.38 |  2.74 | .04 | -.9 | .04 | -.9 | j | .98 | .93 | 100.0 | 96.5 | 5010303 |
|  651 |   3 |   5 |  -.38 |  2.74 | .04 | -.9 | .04 | -.9 | i | .98 | .93 | 100.0 | 96.5 | 24010403 |
|  1035 |   3 |   5 |  -.38 |  2.74 | .04 | -.9 | .04 | -.9 | h | .98 | .93 | 100.0 | 96.5 | 14010373 |
|  1066 |   3 |   5 |  -.38 |  2.74 | .04 | -.9 | .04 | -.9 | g | .98 | .93 | 100.0 | 96.5 | 14010713 |
|  1216 |   3 |   5 |  -.38 |  2.74 | .04 | -.9 | .04 | -.9 | f | .98 | .93 | 100.0 | 96.5 | 11010343 |
|  175 |   2 |   4 |  -.87 |  3.46 | .04 | -.9 | .03 | -1.0 | e | .99 | .95 | 100.0 | 97.1 | 7010073 |
|  206 |   1 |   3 |  -.87 |  3.46 | .04 | -.9 | .03 | -1.0 | d | .99 | .92 | 100.0 | 97.1 | 7010403 |
|  951 |   1 |   3 |  -.87 |  3.46 | .04 | -.9 | .03 | -1.0 | c | .99 | .92 | 100.0 | 97.1 | 13010213 |
|  975 |   1 |   3 |  -.87 |  3.46 | .04 | -.9 | .03 | -1.0 | b | .99 | .92 | 100.0 | 97.1 | 13010483 |
|  1003 |   2 |   4 |  -.87 |  3.46 | .04 | -.9 | .03 | -1.0 | a | .99 | .95 | 100.0 | 97.1 | 14010023 |

---

**MEAN**

|  4.8 |  5.7 |  3.53 |  1.57 | .51 | -.9 | .25 | -.3 |

|  98.3 |  84.5 |

**S.D.**

|  1.3 |  1.3 |  1.12 | .36 | .23 | .4 | .12 | .2 |

|  7.3 |  4.0 |

---
TABLE 10.1 Baseline Picture Vocabulary Test  
INPUT: 1362 Learners BASELINE 22 Objects  
MEASURED: 404 Learners 7 Objects 2 CATS  

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<th>OUTFIT</th>
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<th>EXACT MATCH</th>
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<th>EXP%</th>
<th>Object</th>
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<td>.95</td>
<td>.05</td>
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| MEAN  | 1049.7| 1129.7| -0.69 | .66    | .99       | .30         | .63  | -1.2| 56       | 56 | 85.1 85.2|            |
| S.D.  | 227.9 | 238.3 | 3.30  | .60    | .04       | .70         | .48  | 2.6 | 14.6 14.6|            |
### 9.12 APPENDIX L – OBJECT ORDER SEPEDI PICTURE 1

**TABLE 13.1 Baseline Picture Vocabulary Test**

**INPUT:** 1362 Learners  22 Objects  **MEASURED:** 404 Learners  7 Objects  2 CATS

---

**Learner:** REAL SEP.: .00  REL.: .00  
**Object:** REAL SEP.: 4.85  REL.: .96

**Object STATISTICS: MEASURE ORDER SEPEDI PVT1 BASELINE**

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| MEAN         | 1049.7      | 1129.7        | -.69 | .66  | .99    | .63        | -1.2        |
| S.D.         | 227.9       | 238.3         | 3.30 | .60  | .04    | .7         | 2.6         |

**MEAN** 1049.7  **S.D.** 227.9
9.13 APPENDIX M– PICTURE 2 ITEMS

• Show the picture on the opposite page to the child.

• Ask him/her to point to the **butterfly** and wait for a response.

• Continue this procedure, asking for:
  
  the kite,
  the castle,
  the wasp,
  the pigeon, (the robin is wrong)
  the windmill,
  the turtle,
  the violin,
  the padlock,
  the toadstool.

• On the Pupil Record Sheet put a line through the bracket underneath each picture correctly identified.

• If the score was less than 7 go straight to **Ideas about Reading**
  otherwise continue.
### 9.14 APPENDIX N – LEARNER – ITEM STATISTICS ALL LANGUAGES PIC 2

**TABLE 6.1 Baseline Picture Vocabulary Test**

**INPUT:** 1362 Learners 22 Objects  **MEASURED:** 1221 Learners 10 Objects  2 CATS

---

**Learner STATISTICS: MISFIT ORDER ALL 3 LANGUAGES PVT 2**

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| 793 | 9 | 10 | 2.64 | 1.07 | 1.19 | 5 | 2.19 | 1.1 | 1.1 | 0.9 | .15 | 90.0 | 90.0 | 16010311 |
| 780 | 6 | 10 | .71 | .69 | 1.48 | 2.4 | 1.40 | .7 | .03 | .33 | 30.0 | 64.5 | 16010151 |
| BETTER FITTING OMITTED +--------------------+----|
| 615 | 1 | 5 | -2.76 | 1.69 | .15 | -.7 | .09 | -.7 | z | .98 | .74 | 100.0 | 91.9 | 24010013 |
| 629 | 1 | 5 | -2.76 | 1.69 | .15 | -.7 | .09 | -.7 | y | .98 | .74 | 100.0 | 91.9 | 24010163 |
| 679 | 1 | 5 | -2.76 | 1.69 | .15 | -.7 | .09 | -.7 | x | .98 | .74 | 100.0 | 91.9 | 24010723 |
| 703 | 1 | 5 | -2.76 | 1.69 | .15 | -.7 | .09 | -.7 | w | .98 | .74 | 100.0 | 91.9 | 3010131 |
| 731 | 1 | 5 | -2.76 | 1.69 | .15 | -.7 | .09 | -.7 | v | .98 | .74 | 100.0 | 91.9 | 3010411 |
| 941 | 1 | 5 | -2.76 | 1.69 | .15 | -.7 | .09 | -.7 | u | .98 | .74 | 100.0 | 91.9 | 13010333 |
| 950 | 1 | 5 | -2.76 | 1.69 | .15 | -.7 | .09 | -.7 | t | .98 | .74 | 100.0 | 91.9 | 13010203 |
| 963 | 1 | 5 | -2.76 | 1.69 | .15 | -.7 | .09 | -.7 | s | .98 | .74 | 100.0 | 91.9 | 13010333 |
| 970 | 1 | 5 | -2.76 | 1.69 | .15 | -.7 | .09 | -.7 | r | .98 | .74 | 100.0 | 91.9 | 13010433 |
| 995 | 1 | 5 | -2.76 | 1.69 | .15 | -.7 | .09 | -.7 | q | .98 | .74 | 100.0 | 91.9 | 13010733 |
| 1003 | 1 | 5 | -2.76 | 1.69 | .15 | -.7 | .09 | -.7 | p | .98 | .74 | 100.0 | 91.9 | 14010023 |
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| 1036 | 1 | 5 | -2.76 | 1.69 | .15 | -.7 | .09 | -.7 | m | .98 | .74 | 100.0 | 91.9 | 14010383 |
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| 1210 | 1 | 5 | -2.76 | 1.69 | .15 | -.7 | .09 | -.7 | i | .98 | .74 | 100.0 | 91.9 | 11010263 |
| 1219 | 1 | 5 | -2.76 | 1.69 | .15 | -.7 | .09 | -.7 | h | .98 | .74 | 100.0 | 91.9 | 11010393 |
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| 1236 | 1 | 5 | -2.76 | 1.69 | .15 | -.7 | .09 | -.7 | f | .98 | .74 | 100.0 | 91.9 | 11010623 |
| 1251 | 1 | 5 | -2.76 | 1.69 | .15 | -.7 | .09 | -.7 | e | .98 | .74 | 100.0 | 91.9 | 11010793 |
| 1330 | 1 | 5 | -2.76 | 1.69 | .15 | -.7 | .09 | -.7 | d | .98 | .74 | 100.0 | 91.9 | 17010141 |
| 1240 | 1 | 4 | -2.65 | 1.76 | .15 | -.6 | .11 | -.6 | c | .98 | .75 | 100.0 | 90.7 | 11010663 |
| 590 | 1 | 4 | -2.65 | 1.76 | .15 | -.6 | .11 | -.6 | b | .98 | .75 | 100.0 | 90.8 | 23010601 |
| 580 | 1 | 3 | -2.24 | 2.06 | .11 | -.6 | .10 | -.7 | a | .10 | .80 | 100.0 | 91.3 | 23010501 |

| MEAN | 6.4 | 9.6 | 1.04 | .99 | .99 | .11 | .92 | .3 | | 75.9 | 75.7 | |
| S.D. | 2.6 | 1.3 | 1.82 | .42 | .36 | .6 | .61 | .4 | | 12.8 | 9.6 | |
### TABLE 10.1 Baseline Picture Vocabulary Test

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**MEAN:** 785.3  **S.D.:** 1175.4

---

**Object STATISTICS: MISFIT ORDER ALL 3 LANGUAGES PVT 2**

---

**Learner: REAL SEP.: 1.06 REL.: .53 **

**Object: REAL SEP.: 14.31 REL.: 1.00**
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**Better fitting omitted**

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| 158 | 6 | 10 | .58 | .69 | .92 | -.4 | .82 | -.1 | w | .41 | .33 | 70.0 | 64.4 | 10010352 |
| 282 | 9 | 10 | 2.50 | 1.07 | .92 | .2 | .60 | .1 | v | .27 | .16 | 90.0 | 90.0 | 19050412 |
| 316 | 9 | 10 | 2.50 | 1.07 | .92 | .2 | .60 | .1 | u | .27 | .16 | 90.0 | 90.0 | 19080772 |
| 410 | 9 | 10 | 2.50 | 1.07 | .92 | .2 | .60 | .1 | t | .27 | .16 | 90.0 | 90.0 | 8010252 |
| 412 | 9 | 10 | 2.50 | 1.07 | .92 | .2 | .60 | .1 | s | .27 | .16 | 90.0 | 90.0 | 8010272 |
| 416 | 9 | 10 | 2.50 | 1.07 | .92 | .2 | .60 | .1 | r | .27 | .16 | 90.0 | 90.0 | 8010312 |
| 433 | 9 | 10 | 2.50 | 1.07 | .92 | .2 | .60 | .1 | q | .27 | .16 | 90.0 | 90.0 | 8010482 |
| 464 | 9 | 10 | 2.50 | 1.07 | .92 | .2 | .60 | .1 | p | .27 | .16 | 90.0 | 90.0 | 8040742 |
| 873 | 5 | 10 | .11 | .68 | .91 | -.4 | .83 | -.2 | o | .46 | .37 | 60.0 | 64.8 | 6010262 |
| 481 | 8 | 10 | 1.65 | .82 | .91 | -.1 | .73 | .1 | n | .32 | .22 | 80.0 | 80.0 | 12010312 |
| 495 | 8 | 10 | 1.65 | .82 | .91 | -.1 | .73 | .1 | m | .32 | .22 | 80.0 | 80.0 | 12010472 |
| 508 | 8 | 10 | 1.65 | .82 | .91 | -.1 | .73 | .1 | l | .32 | .22 | 80.0 | 80.0 | 12010642 |
| 525 | 8 | 10 | 1.65 | .82 | .91 | -.1 | .73 | .1 | k | .32 | .22 | 80.0 | 80.0 | 12010932 |
| 1347 | 7 | 10 | 1.07 | .72 | .87 | -.4 | .73 | -.1 | j | .41 | .28 | 70.0 | 70.0 | 17010362 |
| 524 | 6 | 10 | .58 | .69 | .87 | -.7 | .77 | -.2 | i | .45 | .33 | 70.0 | 64.4 | 12010922 |
| 273 | 7 | 10 | 1.07 | .72 | .86 | -.4 | .72 | -.1 | h | .41 | .28 | 70.0 | 70.0 | 19040322 |
| 900 | 8 | 10 | 1.65 | .82 | .85 | -.2 | .64 | .0 | g | .38 | .22 | 80.0 | 80.0 | 6010532 |
| 903 | 3 | 10 | -.92 | .78 | .84 | -.3 | .74 | -.4 | f | .61 | .46 | 80.0 | 77.5 | 6010562 |
| 141 | 7 | 10 | 1.07 | .72 | .83 | -.6 | .70 | -.2 | e | .44 | .28 | 70.0 | 70.0 | 10010162 |
| 496 | 7 | 10 | 1.07 | .72 | .83 | -.6 | .70 | -.2 | d | .44 | .28 | 70.0 | 70.0 | 12010482 |
| 862 | 6 | 10 | .58 | .69 | .72 | -.1 | .72 | -.5 | c | .58 | .33 | 90.0 | 64.4 | 6010152 |
| 154 | 5 | 10 | .11 | .68 | .71 | -.1 | .64 | -.7 | b | .63 | .37 | 80.0 | 64.8 | 10010302 |
| 479 | 5 | 10 | .11 | .68 | .71 | -.1 | .64 | -.7 | a | .63 | .37 | 80.0 | 64.8 | 12010282 |

---

| Mean | 8.5 | 10.0 | 2.34 | 1.18 | 1.05 | .3 | .97 | .3 |
| S.D. | 1.4 | .3 | 1.17 | .47 | .14 | .4 | .28 | .3 |

---
### 9.17 APPENDIX Q - ITEM STATISTICS AFRIKAANS PICTURE 2

**TABLE 10.1 Baseline Picture Vocabulary Test**

**INPUT:** 1362 Learners  22 Objects  **MEASURED:** 303 Learners  10 Objects  2 CATS

---

**Learner:** REAL SEP.: 1.05  REL.: .53  
**Object:** REAL SEP.: 13.14  REL.: .99  

Object STATISTICS:  MISFIT ORDER AFRIKAANS PVT2 BASELINE

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**MEAN**  822.9  1251.9  | .00  | .08  | 1.00  | .97  | -.4  | 74.6 | 74.5  |

**S.D.**  161.6  53.9   | 1.07 | .02  | .13   | 4.5  | .19  | 3.9  | 8.7  | 7.1  |

---
9.18 APPENDIX R - ITEM ORDER AFRIKAANS PICTURE 2

TABLE 13.1 Baseline Picture Vocabulary Test

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S.D. 2.5 1.2 1.69 .38 | .27 .6 .47 .5 | 12.2 9.3 |
### 9.20 APPENDIX T - ITEM STATISTICS ENGLISH PICTURE 2

**TABLE 10.1 Baseline Picture Vocabulary Test**  

**INPUT:** 1362 Learners  22 Objects  **MEASURED:** 514 Learners  10 Objects  2 CATS

-----------------------------------------------------------------------------------------------
| Learner: REAL SEP.: 1.06  REL.: .53 ... Object: REAL SEP.: 13.92 REL.: .99 |

**Object STATISTICS: MISFIT ORDER Eng PVT2 BASELINE**

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viii
### 9.21 Appendix U - Item Order English Picture 2

**Table 13.1 Baseline Picture Vocabulary Test**

**Input:** 1362 Learners  22 Objects  **Measured:** 514 Learners  10 Objects  2 Cats

**Learner:** REAL SEP.: 1.06  REL.: .53

**Object:** REAL SEP.: 13.92  REL.: .99

---

**Object Statistics:** Measure Order Eng PVT2 Baseline

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**S.D.:** 161.5  48.4  1.24  .03  .14  4.7  .20  4.0 | 9.3  7.7
### 9.22 APPENDIX V – LEARNER - ITEM STATISTICS PICTURE 2 SEPEDI

**TABLE 6.1 Baseline Picture Vocabulary Test**

| INPUT: 1362 Learners 22 Objects | MEASURED: 404 Learners 10 Objects 2 CATS |

---

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Object: REAL SEP.: 13.32  REL.: .99

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### 9.23 APPENDIX W – ITEM STATISTICS PICTURE 2 SEPEDI

#### TABLE 10.1 Baseline Picture Vocabulary Test

**INPUT:** 1362 Learners  22 Objects  **MEASURED:** 404 Learners  10 Objects  2 CATS

---

**Learner:** REAL SEP.: 1.06  REL.: .53  ...  **Object:** REAL SEP.: 13.32  REL.: .99

---

**Object STATISTICS:**  MISFIT ORDER SEPEDI PVT2 BASELINE

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**S.D.**  158.4  47.9  1.12  .14  4.7  .20  4.2 |  8.7  7.3 |
### 9.24 APPENDIX X – ITEM ORDER PICTURE 2 SEPEDI

**TABLE 13.1 Baseline Picture Vocabulary Test**

**INPUT:** 1362 Learners 22 Objects  **MEASURED:** 404 Learners 10 Objects 2 CATS  


**Object STATISTICS:** MEASURE ORDER SEPEDI PVT2 BASELINE

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**MEAN:** 853.3  **S.D.:** 158.4  **BUTTERFLY**
• Show the picture on the opposite page to the child.

• Ask him/her to point to the **yacht** and wait for them to do that.

• Continue this procedure, asking for:

  some cash,
  the microscope,
  some jewellery,
  the saxophone.

• On the Pupil Record Sheet put a line through the bracket beneath each picture correctly identified.
### TABLE 6.1: Baseline Picture Vocabulary Test

**INPUT:** 1362 Learners  22 Objects  **MEASURED:** 1130 Learners  5 Objects  2 CATS

---

**Learner STATISTICS:**  MISFIT ORDER ALL 3 LANGUAGES PVT 3

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### 9.27 APPENDIX AA – ITEM STATISTICS ALL LANGUAGES PIC 3

**TABLE 10.1 Baseline Picture Vocabulary Test**

**INPUT:** 1362 Learners  22 Objects  **MEASURED:** 1130 Learners  5 Objects  2 CATS

---

**Learner:** REAL SEP.: .00  REL.: .00  ...  **Object:** REAL SEP.: 15.66  REL.: 1.00

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**Object STATISTICS:** MISFIT ORDER ALL 3 LANGUAGES PVT3

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# 9.28 APPENDIX BB – LEARNER-OBJECT STATISTICS AFRIKAANS – PICTURE 3

TABLE 6.1 Baseline Picture Vocabulary Test

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9.29 APPENDIX CC – OBJECT STATISTICS AFRIKAANS – PICTURE 3

TABLE 10.1 Baseline Picture Vocabulary Test

INPUT: 1362 Learners  22 Objects  MEASURED: 303 Learners  5 Objects  2 CATS

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Object: REAL SEP.: 8.73  REL.: .99

Object STATISTICS: MISFIT ORDER AFRIKAANS PVT3 BASELINE

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Object: REAL SEP.: 8.73  REL.: .99

Object STATISTICS: MISFIT ORDER AFRIKAANS PVT3 BASELINE

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9.30 APPENDIX DD – OBJECT ORDER AFRIKAANS – PICTURE 3

TABLE 13.1 Baseline Picture Vocabulary Test

INPUT: 1362 Learners 22 Objects  MEASURED: 303 Learners 5 Objects 2 CATS

Learner: REAL SEP.: 1.73  REL.: .75 ...
Object: REAL SEP.: 8.73  REL.: .99

Object STATISTICS: MEASURE ORDER AFRIKAANS PVT3 BASELINE

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### TABLE 6.1 Baseline Picture Vocabulary Test

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Learner: REAL SEP.: .00  REL.: .00  ...  Object: REAL SEP.: 15.44  REL.: 1.00

"????????I" Learner STATISTICS: MISFIT ORDER ENG pvt3

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**TABLE 10.1 Baseline Picture Vocabulary Test**

**INPUT:** 1362 Learners 22 Objects  **MEASURED:** 514 Learners 5 Objects 2 CATS

Learner: REAL SEP.: 1.74  REL.: .75  Object: REAL SEP.: 8.93  REL.: .99

Object STATISTICS: MISFIT ORDER ENGLISH PVT3 BASELINE

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Learner: REAL SEP.: 1.74  REL.: .75 ... Object: REAL SEP.: 8.93  REL.: .99

Object STATISTICS:  MEASURE ORDER ENGLISH PVT3 BASELINE

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9.34 APPENDIX HH – LEARNER-OBJECT STATISTICS SEPEDI – PICTURE 3

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| MEAN  | 1.9  | 4.9 | -.61| 1.22| 1.02| 0. | .95 | 0. | 77.6| 77.4|
| S.D.  | 1.0  | .5  | .31| .26 | .62 | 1.0| .94 | .9 | 20.6| 5.2|

| | | | | | | | | | | | |
### 9.35 APPENDIX II – OBJECT STATISTICS SEPEDI – PICTURE 3

**TABLE 10.1** Baseline Picture Vocabulary Test  
ZOU074WS.TXT Oct 28 15:14 2009  
**INPUT:** 1362 Learners  22 Objects  **MEASURED:** 404 Learners  5 Objects  2 CATS

---

Learner: REAL SEP.: 1.65 REL.: .73 ... Object: REAL SEP.: 7.62 REL.: .98

Object STATISTICS:  **MISFIT ORDER SEPEDI PVT3 BASELINE**

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**MEAN**  
681.4  1204.0  1.77  .95  -1.3  .91  -1.2  | 75.8  75.2 |

**S.D.**  
206.3  8.4  1.07  .01  .11  3.6  .13  1.8  | 6.7  5.1 |
### 9.36 APPENDIX JJ – OBJECT ORDER SEPEDI – PICTURE 3

**TABLE 13.1 Baseline Picture Vocabulary Test**

**INPUT:** 1362 Learners  22 Objects  **MEASURED:** 404 Learners  5 Objects  **2 CATS**

Learner: REAL SEP.: 1.65  REL.: .73 ... Object: REAL SEP.: 7.62  REL.: .98

Object STATISTICS: MEASURE ORDER SEPEDI PVT3 BASELINE

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## 9.37 APPENDIX KK – LEARNER-OBJECT STATISTICS ALL LANGUAGES & PICTURES

**TABLE 6.1 Baseline Picture Vocabulary Test**  
ZO690WS.TXT Oct 27 11:23 2009

**INPUT:** 1362 Learners  22 Objects  **MEASURED:** 1361 Learners  22 Objects  2 CATS

---

Learner: REAL SEP.: 1.72  REL.: .75 ... Object: REAL SEP.: 8.90  REL.: .99

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**All Learner STATISTICS: MISFIT ORDER**

<p>| ENTRY NUMBER | TOTAL SCORE | COUNT | MEASURE | MODEL | INFIT | OUTFIT | PT-MEASURE | EXACT MATCH | Learner |
|--------------|-------------|-------|---------|-------|-------|---------|------------|------------|---------|---------|
| 152          | 17          | 22    | 2.27    | .57   | 1.56  | 2.0    | 9.90       | 4.0        | A .05   | .38     | 68.2  79.6| 10010272|
| 199          | 9           | 18    | 1.04    | .54   | 1.31  | 1.5    | 9.90       | 4.9        | B .10   | .46     | 55.6  70.6| 70103333|
| 201          | 10          | 18    | 1.33    | .54   | 1.16  | .9     | 9.90       | 5.0        | C .13   | .43     | 61.1  69.0| 70103533|
| 252          | 18          | 22    | 2.61    | .61   | 1.62  | 1.8    | 9.90       | 4.8        | D-.05  | .34     | 72.7  82.6| 19020112|
| 274          | 17          | 22    | 2.27    | .57   | 1.54  | 1.9    | 9.90       | 4.0        | E .05   | .38     | 68.2  79.6| 19040322|
| 406          | 18          | 22    | 2.61    | .61   | 1.77  | 2.1    | 9.90       | 9.9        | F-.35  | .34     | 72.7  82.6| 80102022|
| 910          | 20          | 22    | 3.54    | .78   | 1.43  | .9     | 9.90       | 3.6        | G-.14  | .24     | 90.9  90.9| 60106322|
| 939          | 6           | 22    | -1.38   | .74   | 3.44  | 3.3    | 9.90       | 3.7        | H .12   | .74     | 68.2  89.2| 13010063|
| 980          | 12          | 22    | .81     | .53   | 2.07  | 3.8    | 9.90       | 5.0        | I .04   | .55     | 50.0  76.0| 13010543|
| 921          | 19          | 22    | 3.02    | .67   | 1.52  | 1.3    | 6.37       | 2.8        | J-.04  | .29     | 86.4  86.4| 60107422|
| 121          | 1           | 8     | -3.28   | 1.47  | 3.24  | 1.8    | 6.21       | 2.3        | K-.15  | .64     | 75.0  92.9| 50103933|
| 248          | 21          | 22    | 4.35    | 1.05  | 1.21  | .5     | 6.05       | 2.2        | L-.05  | .17     | 95.5  95.5| 19010082|
| 258          | 21          | 22    | 4.35    | 1.05  | 1.21  | .5     | 6.05       | 2.2        | M-.05  | .17     | 95.5  95.5| 19020172|
| 271          | 21          | 22    | 4.35    | 1.05  | 1.21  | .5     | 6.05       | 2.2        | N-.05  | .17     | 95.5  95.5| 19040302|
| 290          | 21          | 22    | 4.35    | 1.05  | 1.21  | .5     | 6.05       | 2.2        | O-.05  | .17     | 95.5  95.5| 19060502|
| 299          | 21          | 22    | 4.35    | 1.05  | 1.21  | .5     | 6.05       | 2.2        | P-.05  | .17     | 95.5  95.5| 19070592|
| 301          | 21          | 22    | 4.35    | 1.05  | 1.21  | .5     | 6.05       | 2.2        | Q-.05  | .17     | 95.5  95.5| 19070602|
| 466          | 21          | 22    | 4.35    | 1.05  | 1.21  | .5     | 6.05       | 2.2        | R-.05  | .17     | 95.5  95.5| 12010032|
| 473          | 21          | 22    | 4.35    | 1.05  | 1.21  | .5     | 6.05       | 2.2        | S-.05  | .17     | 95.5  95.5| 12010172|
| 530          | 21          | 22    | 4.35    | 1.05  | 1.21  | .5     | 6.05       | 2.2        | T-.05  | .17     | 95.5  95.5| 12010982|
| 536          | 21          | 22    | 4.35    | 1.05  | 1.21  | .5     | 6.05       | 2.2        | U-.05  | .17     | 95.5  95.5| 12011082|
| 604          | 4           | 20    | -2.02   | .96   | 1.10  | .4     | 6.05       | 2.3        | V .68  | .79     | 95.0  93.4| 23010751|
| 586          | 1           | 8     | -3.28   | 1.47  | 3.24  | 1.8    | 5.90       | 2.2        | W-.14  | .64     | 75.0  92.9| 23010561|
| 836          | 13          | 22    | 1.10    | .53   | 1.62  | 2.6    | 4.71       | 2.2        | X .25  | .52     | 54.5  74.8| 16010801|</p>
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9.38 APPENDIX LL – OBJECT STATISTICS ALL LANGUAGES & PICTURES

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9.39 APPENDIX MM - DIF

Learner DIF plot (DIF=@LANGUAGE)

Object

Object: Cards, Knife, Fork, Cupboard, Cherries, Fan, Bowl, Butterfly, Kite, Castle, Wasp, Pigeon, Windmill, Tortoise, Violin, Prickly, Teaspoon, Yacht, Cash, Microscope, Jewelry, Steepstone

DIF t-value (diff.): 1, 2, 3
Learner DIF plot (DIF=@LANGUAGE)

Object

- Carrots
- Knife
- Fork
- Cupboard
- Cherries
- Pan
- Bowl
- Butterfly
- Kite
- Castle
- Weep
- Pigeon
- Windmill
- Tortoise
- Violin
- Padlock
- Toadstool
- Yacht
- Cash
- Microscope
- Jewellery
- Saxophone

DIF Measure (diff.)

-8

-6

-4

-2

0

2

4

6

7