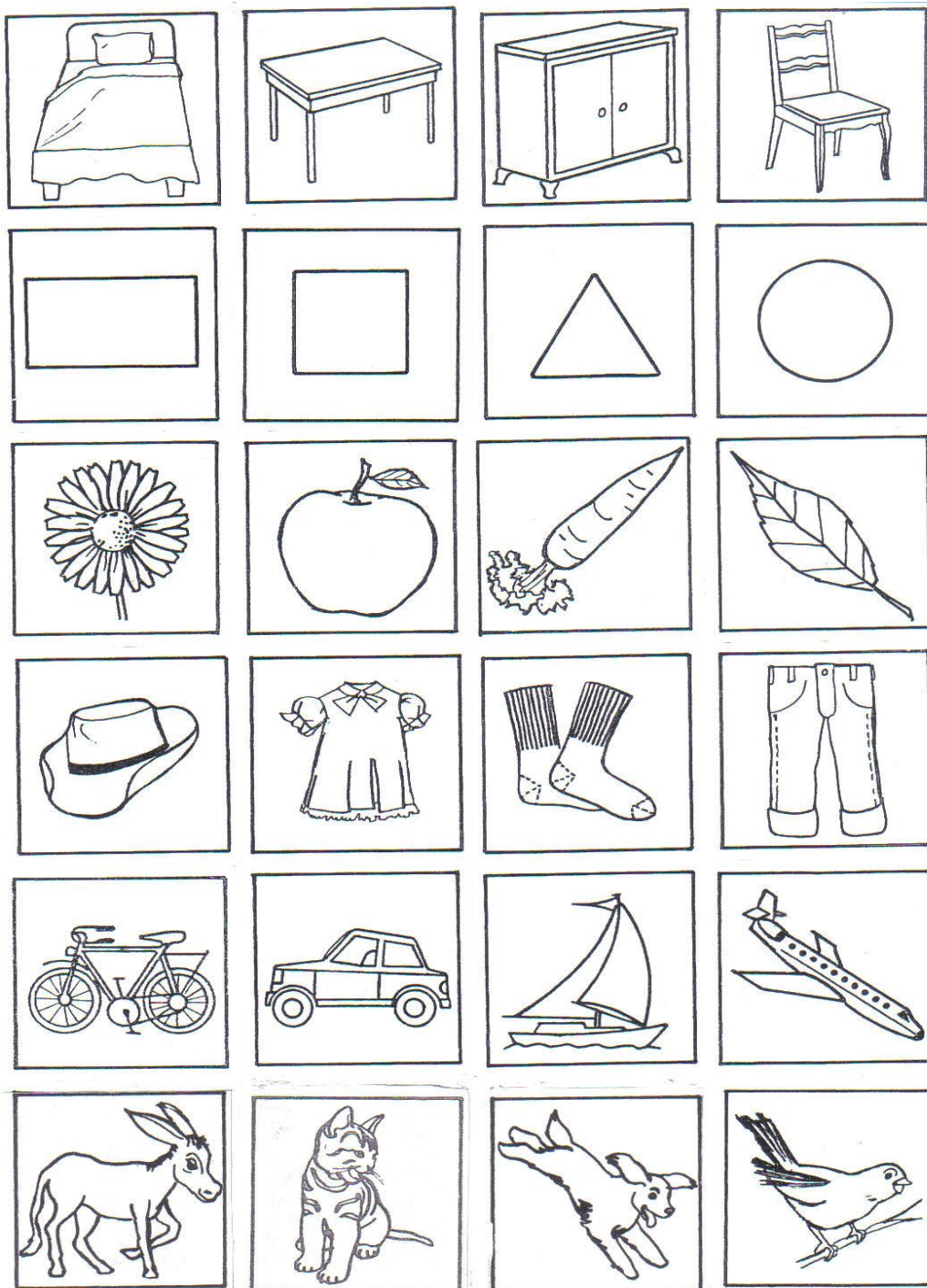
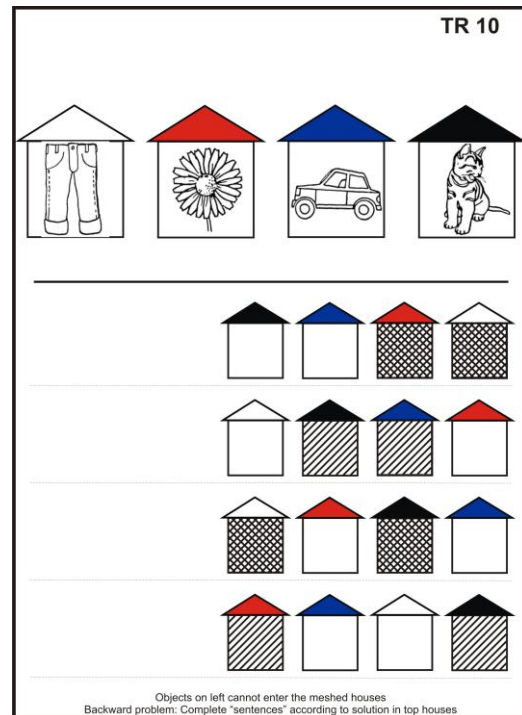
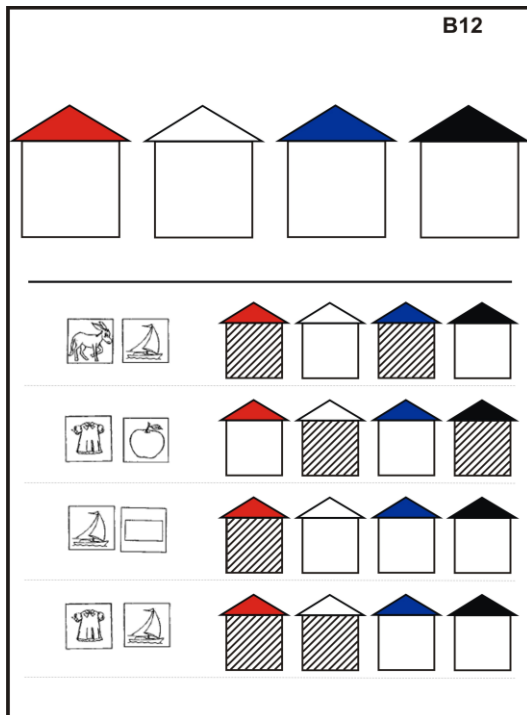
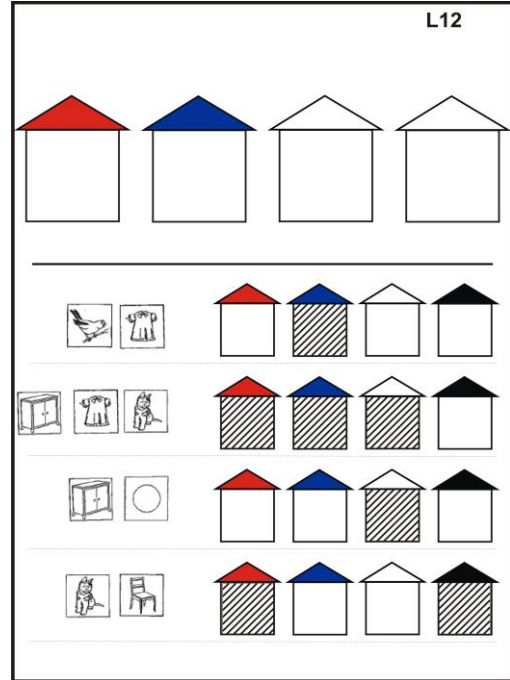
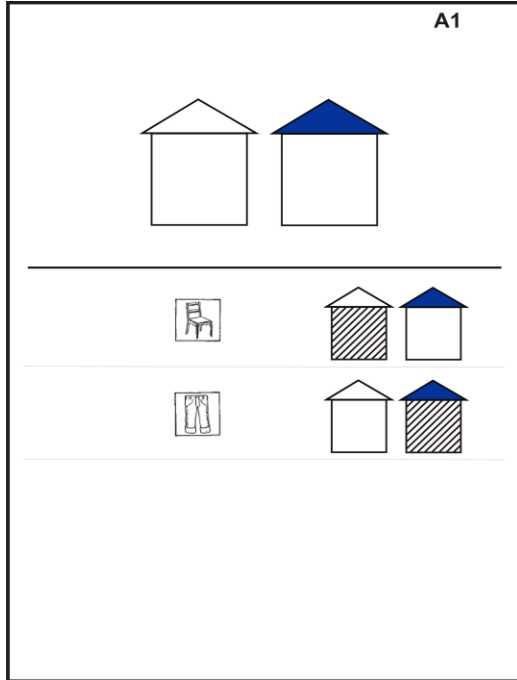


APPENDIX 1
**CITM Pictures utilised in Pre-teaching, Pre-, Post- and Delayed Post-
tests, Labelling phase and Visual memory**













APPENDIX 2 CITM TEST

Examples from the CITM test to show progression in level of difficulty























APPENDIX 3 CITM RECORDING SHEET

OBSERVATION LABELLING OF OBJECTS AND CATEGORISATION OF PICTURES











| OBSERVATION LABELLING OF OBJECTS AND CATEGORISATION OF PICTURES – EXPERIMENTAL GROUP A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------------------------------------------------------------|--------|----------|------|-----|-----|------|-------|-------|--------|----------|---------|----------|-------|-------|--------|------|-----|-------|-----|-------|-------|-----------|-------|---------|---------------|--|----|----|----|
| Coding | donkie | voëltjie | hond | kat | rok | hoed | broek | kouse | sirkel | driehoek | reghoek | vierkant | blaar | appel | wortel | blom | bed | stoel | kas | tafel | fiets | vliegtuig | motor | bootjie | VISUAL MEMORY | | | | |
|  | X | ☺ | ☺ | ☺ | X | ☺ | X | ☺ | ☺ | X | X | X | ☺ | ☺ | X | ☺ | ☺ | ☺ | X | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | 4 | 8 | 1 |
|  | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | X | ☺ | ☺ | ☺ | X | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | 12 | 10 | 16 |
|  | X | ☺ | ☺ | ☺ | X | ☺ | ☺ | ☺ | ☺ | X | X | ☺ | ☺ | ☺ | X | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | 10 | 18 | 24 |
|  | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | 10 | 16 | 22 |
|  | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | 15 | 18 | 24 |
| OBSERVATION LABELLING OF OBJECTS AND CATEGORISATION OF PICTURES – EXPERIMENTAL GROUP B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | X | ✓ | ☺ | ☺ | X | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | 4 | 17 | 13 |
|  | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | 2 | 14 | 18 |
|  | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | 17 | 16 | 18 |
|  | ☺ | ☺ | ☺ | ☺ | X | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | X | ☺ | ☺ | ☺ | ☺ | | 9 | 7 | 18 |
|  | ☺ | ☺ | ☺ | ☺ | X | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | 9 | 14 | 16 |











**APPENDIX 4
RECORDING SHEETS
PRE-TEST 1**

| PRE-TEST 1: 15 - 17 April 2009 | | | | | | | | | | | |
|--------------------------------|---------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| | | EXPERIMENTAL GROUP A | | | | | EXPERIMENTAL GROUP B | | | | |
| Answers | |  |  |  |  |  |  |  |  |  |  |
| A1 | White: Chair | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Blue: Trouser | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Sub-total: | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| A2 | Red: Square | ✓ | x | ✓ | x | ✓ | x | ✓ | x | x | x |
| | Blue: Dress | ✓ | x | x | x | ✓ | x | ✓ | x | x | ✓ |
| | Sub-total: | 2 | 0 | 1 | 0 | 2 | 0 | 2 | 0 | 0 | 1 |
| A3 | Black: Car | ✓ | ✓ | ✓ | x | x | ✓ | ✓ | x | ✓ | ✓ |
| | Red: Bicycle | x | ✓ | ✓ | ✓ | ✓ | x | ✓ | x | x | x |
| | Cat does not fit | | | | | | | | | | |
| | Sub-total: | 1 | 2 | 2 | 1 | 1 | 1 | 2 | 0 | 1 | 1 |
| A4 | Blue: Flower | ✓ | ✓ | x | ✓ | x | ✓ | ✓ | ✓ | x | ✓ |
| | Red: Donkey | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | x | ✓ |
| | Black: Socks | ✓ | ✓ | x | ✓ | x | ✓ | x | x | x | ✓ |
| | Sub-total: | 3 | 3 | 1 | 3 | 0 | 3 | 2 | 2 | 0 | 3 |
| A5 | Blue: Cupboard | ✓ | x | x | ✓ | x | x | x | x | x | ✓ |
| | White: Ship | ✓ | x | x | x | x | x | x | x | x | ✓ |
| | Black: Leaf | ✓ | x | ✓ | x | x | x | ✓ | x | x | ✓ |
| | Circle does not fit | | | | | | | | | | |
| | Sub-total: | 3 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 3 |
| A6 | White: Bed | x | ✓ | x | x | x | x | x | x | x | x |
| | Blue: Apple | x | x | x | x | x | x | ✓ | x | x | x |
| | Red: Cat | ✓ | x | x | x | x | x | ✓ | x | x | x |
| | Sub-total: | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |








| | Answers |  |  |  |  |  |  |  |  |  |  |
|-----|---------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| A7 | Black: Carrot | x | x | ✓ | x | x | x | x | x | ✓ | x |
| | Blue: Table | x | x | x | x | x | x | ✓ | ✓ | x | x |
| | Red: Rectangle | x | x | x | x | x | x | x | x | x | x |
| | Hat does not fit | | | | | | | | | | |
| | Sub-total: | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 |
| A8 | Red: Car | ✓ | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | x | x |
| | White: Donkey | x | ✓ | ✓ | ✓ | x | ✓ | ✓ | x | x | x |
| | Black: Chair | x | x | ✓ | ✓ | x | ✓ | ✓ | x | x | x |
| | Sub-total: | 1 | 2 | 3 | 3 | 1 | 2 | 3 | 1 | 0 | 0 |
| A9 | Black: Dress | ✓ | ✓ | x | ✓ | ✓ | ✓ | x | ✓ | ✓ | x |
| | White: Triangle | x | ✓ | ✓ | ✓ | x | ✓ | x | ✓ | ✓ | x |
| | Blue: Socks | x | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | x | ✓ |
| | Red: Car | x | ✓ | x | x | x | ✓ | x | ✓ | x | x |
| | Carrot does not fit | | | | | | | | | | |
| | Sub-total: | 1 | 4 | 2 | 3 | 1 | 4 | 1 | 4 | 2 | 1 |
| A10 | White: Hat | ✓ | x | x | ✓ | x | x | x | x | x | x |
| | Black: Bicycle | ✓ | x | x | x | x | x | x | ✓ | ✓ | x |
| | Red: Cupboard | ✓ | x | x | x | x | x | x | ✓ | ✓ | x |
| | Blue: Flower | ✓ | x | x | ✓ | x | x | ✓ | x | x | x |
| | Sub-total: | 4 | 0 | 0 | 2 | 0 | 0 | 1 | 2 | 2 | 0 |
| A11 | White: Chair | ✓ | x | x | x | x | x | x | ✓ | x | x |
| | Blue: Airplane | ✓ | x | x | x | ✓ | x | x | ✓ | ✓ | x |
| | Red: Hat | x | x | x | x | x | ✓ | x | x | x | x |
| | Black: Rectangle | ✓ | x | x | x | x | x | ✓ | x | ✓ | x |
| | Socks do not fit | | | | | | | | | | |
| | Sub-total: | 3 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 0 |
| A12 | White: Trousers | x | x | ✓ | x | x | ✓ | x | x | ✓ | x |
| | Black: Car | ✓ | x | ✓ | x | x | x | ✓ | x | ✓ | x |
| | Blue: Apple | x | x | ✓ | x | x | x | x | x | x | x |
| | Red: Rectangle | x | x | ✓ | ✓ | x | x | x | x | x | x |
| | Cat does not fit | | | | | | | | | | |
| | Sub-total: | 2 | 0 | 4 | 1 | 0 | 1 | 1 | 0 | 2 | 0 |
| | TOTAL 37: | 22 | 14 | 17 | 16 | 8 | 14 | 19 | 14 | 12 | 9 |
| | TIME: | 40 min | 40 min | 40 min | 45 min | 40 min | 40 min | 45 min | 40 min | 50 min | 45 min |











RECORDING SHEET: PRE-TEST 2

| PRE-TEST 2: 11 - 13 Aug 2009 | | | | | | | | | | | |
|------------------------------|---------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| | | EXPERIMENTAL GROUP A | | | | | EXPERIMENTAL GROUP B | | | | |
| Answers | |  |  |  |  |  |  |  |  |  |  |
| A1 | White: Chair | ✓ | ✓ | ✓ | ✓ | x | x | ✓ | ✓ | ✓ | ✓ |
| | Blue: Trouser | ✓ | ✓ | ✓ | ✓ | x | x | ✓ | ✓ | ✓ | ✓ |
| | Sub-total: | 2 | 2 | 2 | 2 | 0 | 0 | 2 | 2 | 2 | 2 |
| A2 | Red: Square | ✓ | ✓ | ✓ | ✓ | x | ✓ | x | x | ✓ | x |
| | Blue: Dress | ✓ | ✓ | ✓ | ✓ | x | x | x | x | ✓ | x |
| | Sub-total: | 2 | 2 | 2 | 2 | 0 | 1 | 0 | 0 | 2 | 0 |
| A3 | Black: Car | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | x | x | ✓ |
| | Red: Bicycle | ✓ | ✓ | ✓ | ✓ | ✓ | x | ✓ | x | x | ✓ |
| | Cat does not fit | | | | | | | | | | |
| | Sub-total: | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 0 | 0 | 2 |
| A4 | Blue: Flower | ✓ | x | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | ✓ |
| | Red: Donkey | ✓ | x | ✓ | ✓ | x | x | ✓ | ✓ | x | ✓ |
| | Black: Socks | ✓ | x | ✓ | ✓ | x | ✓ | ✓ | ✓ | x | x |
| | Sub-total: | 3 | 0 | 3 | 3 | 1 | 1 | 3 | 3 | 1 | 2 |
| A5 | Blue: Cupboard | ✓ | ✓ | ✓ | ✓ | x | ✓ | x | x | x | x |
| | White: Ship | ✓ | ✓ | ✓ | x | ✓ | x | x | x | x | x |
| | Black: Leaf | ✓ | ✓ | ✓ | ✓ | x | x | x | x | x | x |
| | Circle does not fit | | | | | | | | | | |
| | Sub-total: | 3 | 3 | 3 | 2 | 1 | 1 | 0 | 0 | 0 | 0 |
| A6 | White: Bed | ✓ | ✓ | ✓ | ✓ | ✓ | x | x | x | x | ✓ |
| | Blue: Apple | ✓ | ✓ | ✓ | ✓ | x | x | x | x | x | x |
| | Red: Cat | ✓ | ✓ | ✓ | ✓ | x | x | x | x | ✓ | x |
| | Sub-total: | 3 | 3 | 3 | 3 | 1 | 0 | 0 | 0 | 1 | 1 |

| | Answers |  |  |  |  |  |  |  |  |  |  |
|------------|---------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| A7 | Black: Carrot | ✓ | x | ✓ | x | ✓ | ✓ | x | x | x | ✓ |
| | Blue: Table | ✓ | x | ✓ | x | x | ✓ | ✓ | x | x | x |
| | Red: Rectangle | ✓ | x | ✓ | x | x | ✓ | x | x | x | x |
| | Hat does not fit | | | | | | | | | | |
| | Sub-total: | 3 | 0 | 3 | 0 | 1 | 3 | 1 | 0 | 0 | 1 |
| A8 | Red: Car | ✓ | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | ✓ |
| | White: Donkey | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | x | ✓ | ✓ |
| | Black: Chair | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | x | ✓ | ✓ |
| | Sub-total: | 3 | 3 | 3 | 3 | 1 | 2 | 3 | 1 | 3 | 3 |
| A9 | Black: Dress | ✓ | ✓ | ✓ | ✓ | ✓ | x | x | x | x | x |
| | White: Triangle | ✓ | ✓ | ✓ | ✓ | x | x | x | x | x | ✓ |
| | Blue: Socks | ✓ | ✓ | ✓ | ✓ | x | x | x | x | x | ✓ |
| | Red: Car | ✓ | ✓ | ✓ | ✓ | x | x | x | x | x | x |
| | Carrot does not fit | | | | | | | | | | |
| | Sub-total: | 4 | 4 | 4 | 4 | 1 | 0 | 0 | 0 | 0 | 2 |
| A10 | White: Hat | ✓ | ✓ | ✓ | ✓ | ✓ | x | x | x | x | x |
| | Black: Bicycle | ✓ | ✓ | ✓ | x | ✓ | x | x | x | x | x |
| | Red: Cupboard | ✓ | x | ✓ | x | ✓ | x | x | x | x | x |
| | Blue: Flower | ✓ | x | ✓ | ✓ | x | x | x | x | x | x |
| | Sub-total: | 4 | 2 | 4 | 2 | 3 | 0 | 0 | 0 | 0 | 0 |
| A11 | White: Chair | ✓ | ✓ | ✓ | x | x | x | x | ✓ | x | x |
| | Blue: Airplane | ✓ | x | ✓ | x | x | x | x | ✓ | x | x |
| | Red: Hat | ✓ | ✓ | ✓ | x | x | x | x | x | x | x |
| | Black: Rectangle | ✓ | x | ✓ | x | x | x | x | x | x | x |
| | Socks do not fit | | | | | | | | | | |
| | Sub-total: | 4 | 2 | 4 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| A12 | White: Trousers | x | x | ✓ | x | x | x | x | x | x | x |
| | Black: Car | ✓ | ✓ | ✓ | x | x | x | ✓ | x | ✓ | ✓ |
| | Blue: Apple | ✓ | x | ✓ | x | ✓ | x | ✓ | x | x | x |
| | Red: Rectangle | ✓ | x | ✓ | x | ✓ | x | x | x | x | x |
| | Cat does not fit | | | | | | | | | | |
| | Sub-total: | 3 | 1 | 4 | 0 | 2 | 0 | 2 | 0 | 1 | 1 |
| | TOTAL 37: | 36 | 24 | 37 | 23 | 12 | 9 | 13 | 8 | 10 | 14 |
| | TIME: | 30 min | 13 min | 20 min | 20 min | 50 min | 18 min | 25 min | 20 min | 15 min | 20 min |











RECORDING SHEET: POST TEST 1

| POST-TEST 1: 24- 26 June 2009 | | | | | | | | | | | |
|-------------------------------|------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| | | EXPERIMENTAL GROUP A | | | | | EXPERIMENTAL GROUP B | | | | |
| Answers | |  |  |  |  |  |  |  |  |  |  |
| B1 | Black: Flower | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Red: Bed | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Sub-total: | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| B2 | Black: Leaf | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | x | x |
| | Blue: Hat | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | x | x |
| | Sub-total: | 2 | 2 | 2 | 2 | 0 | 2 | 2 | 2 | 0 | 0 |
| B3 | Red: Carrot | ✓ | ✓ | ✓ | ✓ | x | x | ✓ | x | x | ✓ |
| | White: Socks | ✓ | ✓ | ✓ | x | x | x | ✓ | x | x | ✓ |
| | Bed does not fit | | | | | | | | | | |
| | Sub-total: | 2 | 2 | 2 | 1 | 0 | 0 | 2 | 0 | 0 | 2 |
| B4 | Red: Dog | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | | ✓ |
| | Black: Apple | ✓ | ✓ | ✓ | ✓ | x | x | ✓ | ✓ | ✓ | ✓ |
| | Blue: Table | ✓ | x | ✓ | ✓ | x | x | ✓ | ✓ | | ✓ |
| | Sub-total: | 3 | 2 | 3 | 3 | 0 | 1 | 3 | 3 | 1 | 3 |
| B5 | White: Apple | ✓ | x | ✓ | x | x | ✓ | ✓ | x | x | ✓ |
| | Red: Bicycle | x | ✓ | ✓ | ✓ | x | x | x | x | x | x |
| | Blue: Table | x | x | ✓ | ✓ | x | x | x | ✓ | x | x |
| | Rectangle does not fit | | | | | | | | | | |
| | Sub-total: | 1 | 1 | 3 | 2 | 0 | 1 | 1 | 1 | 0 | 1 |
| B6 | White: Bed | ✓ | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | x | x |
| | Blue: Flower | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | x | x | x |
| | Black: Ship | ✓ | ✓ | ✓ | ✓ | ✓ | x | x | x | x | x |
| | Leaf does not fit | | | | | | | | | | |
| | Sub-total: | 3 | 3 | 3 | 3 | 2 | 1 | 2 | 1 | 0 | 0 |

| | Answers |  |  |  |  |  |  |  |  |  |  |
|------------|------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| B7 | White: Cat | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | x | ✓ |
| | Red: Cupboard | x | ✓ | ✓ | ✓ | x | x | x | ✓ | x | x |
| | Black: Triangle | ✓ | x | ✓ | ✓ | x | x | x | x | x | x |
| | Aeroplane does not fit | | | | | | | | | | |
| | Sub-total: | 2 | 2 | 3 | 3 | 1 | 1 | 1 | 2 | 0 | 1 |
| B8 | Red: Square | ✓ | x | ✓ | ✓ | x | x | ✓ | ✓ | x | x |
| | White: Donkey | ✓ | ✓ | ✓ | ✓ | x | x | ✓ | x | ✓ | x |
| | Blue: Dress | ✓ | x | ✓ | ✓ | x | x | ✓ | x | x | x |
| | Sub-total: | 3 | 1 | 3 | 3 | 0 | 0 | 3 | 1 | 1 | 0 |
| B9 | White: Aeroplane | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | x | x |
| | Red: Table | ✓ | x | ✓ | ✓ | x | x | ✓ | ✓ | x | x |
| | Blue: Circle | ✓ | x | ✓ | ✓ | x | x | ✓ | x | ✓ | x |
| | Black: Bird | ✓ | x | ✓ | ✓ | x | x | ✓ | x | x | x |
| | Carrot does not fit | | | | | | | | | | |
| | Sub-total: | 4 | 1 | 4 | 4 | 0 | 1 | 4 | 2 | 1 | 0 |
| B10 | Black: Hat | ✓ | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | x |
| | Red: Chair | ✓ | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | x |
| | White: Car | ✓ | x | ✓ | ✓ | x | x | ✓ | x | x | x |
| | Blue: Bird | ✓ | ✓ | ✓ | ✓ | x | x | ✓ | x | x | x |
| | Sub-total: | 4 | 3 | 4 | 4 | 2 | 0 | 4 | 2 | 2 | 0 |
| B11 | Black: Cat | ✓ | x | ✓ | ✓ | x | x | ✓ | ✓ | x | ✓ |
| | White: Socks | ✓ | ✓ | ✓ | x | x | x | x | x | x | ✓ |
| | Red: Flower | ✓ | x | x | x | x | x | x | x | x | x |
| | Blue: Carrot | ✓ | x | x | x | x | x | x | x | x | x |
| | Aeroplane does not fit | | | | | | | | | | |
| | Sub-total: | 2 | 1 | 2 | 1 | 0 | 0 | 1 | 1 | 0 | 2 |
| B12 | Red: Ship | ✓ | x | ✓ | x | ✓ | ✓ | x | ✓ | x | ✓ |
| | Blue: Donkey | x | x | ✓ | ✓ | x | x | x | ✓ | ✓ | x |
| | White: Dress | x | x | ✓ | x | x | x | x | x | x | x |
| | Black: Apple | ✓ | ✓ | ✓ | ✓ | ✓ | x | ✓ | x | x | x |
| | Rectangle does not fit | | | | | | | | | | |
| | Sub-total: | 2 | 1 | 4 | 2 | 2 | 1 | 1 | 2 | 1 | 1 |
| | TOTAL 37: | 30 | 21 | 35 | 30 | 9 | 10 | 26 | 19 | 8 | 12 |
| | TIME | 24 min | 22 min | 20 min | 22 min | 45 min | 15 min | 35 min | 35 min | 25 min | 20 min |











RECORDING SHEET: POST TEST 2

| POST-TEST 2: 18 – 22 September | | | | | | | | | | | |
|--------------------------------|------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| | | EXPERIMENTAL GROUP A | | | | | EXPERIMENTAL GROUP B | | | | |
| Answers | |  |  |  |  |  |  |  |  |  |  |
| B1 | Black: Flower | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Red: Bed | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Sub-total: | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| B2 | Black: Leaf | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Blue: Hat | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Sub-total: | 2 | 2 | 2 | 2 | 0 | 2 | 2 | 2 | 2 | 2 |
| B3 | Red: Carrot | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | ✓ | ✓ |
| | White: Socks | ✓ | x | ✓ | x | x | ✓ | ✓ | x | ✓ | x |
| | Bed does not fit | | | | | | | | | | |
| | Sub-total: | 2 | 1 | 2 | 1 | 0 | 2 | 2 | 1 | 2 | 1 |
| B4 | Red: Dog | ✓ | x | ✓ | ✓ | x | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Black: Apple | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Blue: Table | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Sub-total: | 3 | 2 | 3 | 3 | 0 | 3 | 3 | 3 | 3 | 3 |
| B5 | White: Apple | ✓ | x | ✓ | ✓ | x | x | x | x | x | x |
| | Red: Bicycle | ✓ | ✓ | ✓ | ✓ | x | x | x | ✓ | x | ✓ |
| | Blue: Table | ✓ | ✓ | ✓ | ✓ | x | x | x | x | x | ✓ |
| | Rectangle does not fit | | | | | | | | | | |
| | Sub-total: | 3 | 2 | 3 | 3 | 0 | 0 | 0 | 1 | 0 | 2 |
| B6 | White: Bed | x | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Blue: Flower | x | ✓ | ✓ | ✓ | x | ✓ | ✓ | x | ✓ | ✓ |
| | Black: Ship | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | x | ✓ | ✓ |
| | Leaf does not fit | | | | | | | | | | |
| | Sub-total: | 1 | 3 | 3 | 3 | 0 | 3 | 3 | 1 | 3 | 3 |

| | Answers |  |  |  |  |  |  |  |  |  |  |
|------------|------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| B7 | White: Cat | ✓ | x | ✓ | ✓ | x | ✓ | x | ✓ | ✓ | x |
| | Red: Cupboard | ✓ | x | ✓ | ✓ | x | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Black: Triangle | ✓ | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | x |
| | Aeroplane does not fit | | | | | | | | | | |
| | Sub-total: | 3 | 1 | 3 | 3 | 1 | 2 | 2 | 3 | 3 | 1 |
| B8 | Red: Square | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | ✓ | ✓ |
| | White: Donkey | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Blue: Dress | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Sub-total: | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 |
| B9 | White: Aeroplane | ✓ | x | ✓ | ✓ | x | x | x | x | ✓ | x |
| | Red: Table | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | x | ✓ | x |
| | Blue: Circle | ✓ | x | ✓ | ✓ | x | ✓ | ✓ | x | ✓ | ✓ |
| | Black: Bird | ✓ | ✓ | ✓ | ✓ | x | x | ✓ | ✓ | ✓ | ✓ |
| | Carrot does not fit | | | | | | | | | | |
| | Sub-total: | 4 | 2 | 4 | 4 | 0 | 2 | 3 | 1 | 4 | 2 |
| B10 | Black: Hat | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Red: Chair | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | ✓ | ✓ |
| | White: Car | ✓ | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | ✓ |
| | Blue: Bird | ✓ | ✓ | ✓ | ✓ | ✓ | x | x | ✓ | ✓ | ✓ |
| | Sub-total: | 4 | 4 | 4 | 4 | 2 | 2 | 3 | 4 | 4 | 4 |
| B11 | Black: Cat | ✓ | ✓ | ✓ | ✓ | x | x | x | x | ✓ | x |
| | White: Socks | ✓ | ✓ | ✓ | ✓ | ✓ | x | ✓ | x | ✓ | ✓ |
| | Red: Flower | ✓ | ✓ | ✓ | ✓ | x | x | ✓ | ✓ | ✓ | x |
| | Blue: Carrot | ✓ | x | ✓ | ✓ | x | x | ✓ | ✓ | ✓ | x |
| | Aeroplane does not fit | | | | | | | | | | |
| | Sub-total: | 4 | 3 | 4 | 4 | 1 | 0 | 3 | 2 | 0 | 1 |
| B12 | Red: Ship | ✓ | ✓ | ✓ | ✓ | x | x | x | x | ✓ | ✓ |
| | Blue: Donkey | ✓ | ✓ | ✓ | ✓ | x | x | x | ✓ | ✓ | x |
| | White: Dress | ✓ | ✓ | ✓ | ✓ | x | x | x | ✓ | x | x |
| | Black: Apple | ✓ | x | ✓ | ✓ | x | x | x | x | x | x |
| | Rectangle does not fit | | | | | | | | | | |
| | Sub-total: | 4 | 3 | 4 | 4 | 0 | 0 | 0 | 2 | 2 | 1 |
| | TOTAL 37: | 35 | 28 | 37 | 36 | 8 | 21 | 26 | 25 | 28 | 25 |
| | TIME | 25 min | 21 min | 24 min | 30 min | 30 | 20 min | 20 min | 20 min | min | 26 min |

RECORDING SHEET: DELAYED POST-TEST

| DELAYED POST-TEST: 3 – 5 February 2010 | | | | | | | | | | | |
|----------------------------------------|------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| | | EXPERIMENTAL GROUP A | | | | | EXPERIMENTAL GROUP B | | | | |
| Answers | |  |  |  |  |  |  |  |  |  |  |
| B1 | Black: Flower | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Red: Bed | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Sub-total: | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| B2 | Black: Leaf | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Blue: Hat | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Sub-total: | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| B3 | Red: Carrot | ✓ | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | x | ✓ |
| | White: Socks | ✓ | ✓ | ✓ | ✓ | x | x | ✓ | ✓ | x | ✓ |
| | Bed does not fit | | | | | | | | | | |
| | Sub-total: | 3 | 2 | 2 | 2 | 1 | 0 | 2 | 2 | 0 | 2 |
| B4 | Red: Dog | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Black: Apple | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Blue: Table | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Sub-total: | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 |
| B5 | White: Apple | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Red: Bicycle | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Blue: Table | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Rectangle does not fit | | | | | | | | | | |
| | Sub-total: | 3 | 3 | 3 | 3 | 0 | 3 | 3 | 3 | 3 | 3 |
| B6 | White: Bed | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | x | ✓ | ✓ |
| | Blue: Flower | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | x | ✓ | ✓ |
| | Black: Ship | ✓ | ✓ | ✓ | ✓ | x | x | ✓ | x | ✓ | ✓ |
| | Leaf does not fit | | | | | | | | | | |
| | Sub-total: | 3 | 3 | 3 | 3 | 0 | 2 | 3 | 0 | 3 | 3 |

| | Answers |  |  |  |  |  |  |  |  |  |  |
|------------|------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| B7 | White: Cat | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Red: Cupboard | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Black: Triangle | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Aeroplane does not fit | | | | | | | | | | |
| | Sub-total: | 3 | 3 | 3 | 3 | 0 | 3 | 3 | 3 | 3 | 3 |
| B8 | Red: Square | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | ✓ | ✓ |
| | White: Donkey | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Blue: Dress | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Sub-total: | 3 | | | | 1 | | | | | |
| B9 | White: Aeroplane | ✓ | ✓ | ✓ | ✓ | x | x | x | ✓ | ✓ | ✓ |
| | Red: Table | ✓ | ✓ | ✓ | ✓ | x | x | ✓ | ✓ | ✓ | ✓ |
| | Blue: Circle | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Black: Bird | ✓ | ✓ | ✓ | ✓ | x | ✓ | x | x | ✓ | ✓ |
| | Carrot does not fit | | | | | | | | | | |
| | Sub-total: | 4 | 4 | 4 | 4 | 0 | 2 | 2 | 3 | 4 | 4 |
| B10 | Black: Hat | x | ✓ | ✓ | ✓ | x | x | ✓ | ✓ | ✓ | ✓ |
| | Red: Chair | x | ✓ | ✓ | ✓ | x | x | ✓ | ✓ | x | ✓ |
| | White: Car | x | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | x | ✓ |
| | Blue: Bird | x | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | x | ✓ |
| | Sub-total: | 0 | 4 | 4 | 4 | 1 | 1 | 4 | 4 | 1 | 4 |
| B11 | Black: Cat | x | ✓ | ✓ | ✓ | x | x | x | ✓ | x | ✓ |
| | White: Socks | ✓ | x | ✓ | x | x | ✓ | x | ✓ | x | ✓ |
| | Red: Flower | ✓ | x | ✓ | ✓ | x | ✓ | x | ✓ | ✓ | ✓ |
| | Blue: Carrot | x | x | ✓ | x | ✓ | x | x | x | ✓ | ✓ |
| | Aeroplane does not fit | | | | | | | | | | |
| | Sub-total: | 2 | 1 | 4 | 2 | 1 | 2 | 0 | 3 | 2 | 4 |
| B12 | Red: Ship | x | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | ✓ | x |
| | Blue: Donkey | ✓ | ✓ | ✓ | ✓ | x | ✓ | x | x | ✓ | ✓ |
| | White: Dress | x | ✓ | ✓ | ✓ | x | ✓ | ✓ | ✓ | ✓ | x |
| | Black: Apple | ✓ | ✓ | ✓ | ✓ | x | ✓ | ✓ | x | ✓ | ✓ |
| | Rectangle does not fit | | | | | | | | | | |
| | Sub-total: | 2 | 4 | 4 | 4 | 0 | 4 | 3 | 2 | 4 | 2 |
| | TOTAL 37: | 29 | 34 | 37 | 35 | 9 | 27 | 30 | 30 | 30 | 35 |
| | TIME | 30 min | 20 min | 20 min | 25 min | 55 min | 22 min | 30 min | 30 min | 25 min | 25 min |