## Adult Numeracy Skills for life

Measures, Shape \& Space E3 (Adult Numeracy)

2006/ 2007 ALAN PRACTISE

Candidate's Name:
Registration Number: $\square$
THE FOLLOWING SECTIONS TO BE COMPLETED BY THE ASSESSOR


THE FOLLOWING DETAILS CONFIRM THAT THE ASSESSOR HAS IN NO WAY INFLUENCED THE OUTCOME OF THE ASSESSMENT.

IF THIS CANDIDATE HAS HAD ANY ASSISTANCE DURING THIS TEST PLEASE STATE THE NATURE OF THE ASSISTANCE AND WHO PROVIDED IT:

IF THERE ARE ANY SPECIAL CIRCUMSTANCES THAT MAY HAVE HAD A NEGATIVE EFFECT ON the candidate's performance in this test please give details.

| Internal Verifier's Name: |
| :--- |
| Signature: |
| Date verified: |


| QUESTION NO | MARKS <br> AVAILABLE | MARKS GIVEN | EXTERNAL <br> VERIFIER USE |
| :---: | :---: | :---: | :---: |
| 1 | 4 |  |  |
| 2 | 3 |  |  |
| 3 | 4 |  |  |
| 4 | 4 |  |  |
| 5 | 4 |  |  |
| 6 | 6 |  |  |
|  |  |  |  |
| TOTAL | 25 |  |  |
| \% | $100 \%$ |  | PASS - FAIL |
| Delete pass or fail as <br> appropriate | PASS - FAIL |  |  |

(4 marks - 1 each for $a$ and $b$ and 2 for $c$ )
Pritti is cycling around an English town. She sees a sign at the side of the road.

1a. Are these distances in miles or kilometres?
Write your answer in the box.
Answer:

| London | 156 |
| :--- | :--- |
| Sheffield | 43 |
| Bradford | 19 |

1b. Carl wants to cycle from his home to Bradford College. Look at the diagram.

Carl's home

Shopping Centre


Leisure Centre


How far will he have to go if he cycles past the library on his way to college? Write your answer in the box.
miles

1c. Carl gets to the library 20 minutes before noon. Show this time on the watch faces below.

(3 marks - 1 each for $a, b$ and $c$ )

Lucy and Jane went to the sales. They each made a list of what they bought

| Jane |  |
| :---: | :---: |
| Jacket | $£ 4.75$ |
| Skirt | $£ 2.50$ |
| Shoes | $£ 10.99$ |
| TOTAL | $£$ |


| Lucy |  |
| :---: | :--- |
| Bag | $£ 3.50$ |
| Trousers | $£$ |
| T-Shirt | $£ 2.45$ |
| TOTAL | $£ 13.47$ |

2a. How much is Jane's total?
Write your answer in the space next to TOTAL in the list above.
2b. How much did Lucy's trousers cost?
Write your answer in the space in the list above.
Use this box to show your workings

2c. Round the total amount Lucy spent to the nearest $£$. Write your answer in the box.

## £

(4 marks - 2 marks for $a$ and 1 mark each for $b$ and $c$ )
3a. Draw the following shapes in the correct boxes. The first two have been done for you.
Draw the shapes in the boxes below.


Cube

Cylinder
Triangle

Square
Rectangle

| $\begin{aligned} & \text { u } \\ & \text { ob } \\ & \text { ju } \\ & \text { N } \end{aligned}$ |  |
| :---: | :---: |
| $\begin{aligned} & \tilde{u} \\ & 0 \\ & 0 \\ & \vdots \\ & \vdots \\ & 0 \end{aligned}$ |  |

3b. How many 20 cm wide boxes can you place next to each other on a shelf which is 200 cm wide? Write your answer in the box below.

Use this box to show your workings

## Answer: <br> boxes

3c. Leroy stacks 9 boxes. Each box has the following measurements:
How high will the stack be?


Tick ( $\nabla$ ) one box.
$\square$ (i) 800 cm
(ii) 900 cm
(iii) 600 cm
(4 marks - 2 marks for $a$ and 1 each for $b$ and $c$ )

Clare is at the leisure centre. She checks the temperatures on the wall chart:

| Facility | Temperature |
| :---: | :---: |
| Swimming Pool | $28^{\circ} \mathrm{C}$ |
| Showers | $30^{\circ} \mathrm{C}$ |
| Sauna | $32^{\circ} \mathrm{C}$ |

4a. Mark the temperatures of the showers and sauna on the thermometer.
The swimming pool temperature has been done for you.


4b. The thermometer shows the temperature of the water in the Jacuzzi. Read the temperature on the thermometer and write this in the box below.
Answer: $\quad{ }^{\circ} \mathrm{C}$


4c. It is $14^{\circ} \mathrm{C}$ outside. It is $7^{\circ} \mathrm{C}$ warmer inside. What is the temperature inside? Write your answer in the box below.

Answer:
${ }^{\circ} \mathrm{C}$
(4 marks - 3 marks for $a$ and 1 for $b$ )
$5 a$. For each of the following, decide which is the most appropriate unit of metric length to measure them. Write the words underlined in the correct box. The first one has been done for you.

- the width of a swimming pool
- the length of a motorway
- the length of an eyelash
- the length of a running track
- the length of a pencil
- the distance across the Atlantic Ocean
- the length of your foot

| cm |  | m |  |
| :--- | :--- | :--- | :--- |

5b. Here is a diagram of a classroom floor. Which floor covering will fit the space exactly? Tick ( $\square$ ) one box.

$\square$ (i) Flooring A is $450 \mathrm{~cm} \times 750 \mathrm{~cm}$
$\square$ (ii) Flooring $B$ is $740 \mathrm{~cm} \times 460 \mathrm{~cm}$
$\square$ (iii) Flooring C is $760 \mathrm{~cm} \times 440 \mathrm{~cm}$
(6 marks - 1 each for $a$ and $b, 2$ for $c$ and 1 each for $d$ and $e$ )

Rani is making apple cakes. Here are the ingredients:


## APPLE CAKE

Ingredients
250 g flour
150 ml water
1 egg
25 g sugar
120 g margarine
150 g sliced apples

6a. There are more grams of margarine in the apple cake than grams of sliced apples. Is this true or false? Tick ( $\square$ ) one box.

## True



False


6b. 25 grams of sugar are used to make one cake. How much sugar would be needed to make 3 cakes? Tick ( $\nabla$ ) one box.

50 grams $\square$ 75 grams $\square$ 100 grams $\square$

6c. Rani uses a cup to measure the water. One cup holds 50 ml of water.
Complete the table below:

| Cakes | Water | Cups |
| :---: | :---: | :---: |
| drbdy | 150 ml | 3 |
| ddab dydy |  | 6 |
| ddedy dody dded | 450 ml |  |

6d. Each cake weighs about 940 grams when finished. Estimate the weight of two cakes - to the nearest kg .

## Use this box to show your workings

Write your answer in the box below
$\square$
6e. Measure the amount of water needed for one cake. Your Tutor will give you a measuring jug and some water.

