New flat

Name: _________________   Date: _______

Perimeter and Area Exercise

Using the plans of the flat and lawn, work out the cost of buying a carpet for each room and for creating a fenced lawn area. Then show the total cost.

Please use the following prices:-

- Carpet for Living Room / Hall £5.00 per square metre
- Carpet for Bedroom £6.00 per square metre
- Carpet for Bathroom / Kitchen £8.00 per square metre
- Grass seed for lawn area £1.50 per square metre
- Fencing for lawn area £3.00 per metre

Remember to show ALL your working out and units.
# New flat

**Name:** _________________  **Date:** _______

## Bathroom

Area = ____ x ____  
\[ \text{Cost} = \text{____ x ____} \]  
= £

## Kitchen

Area = ____ x ____  
\[ \text{Cost} = \text{____ x ____} \]  
= £

## Hall

Area = ____ x ____  
\[ \text{Cost} = \text{____ x ____} \]  
= £

## Bedroom

Area = ____ x ____+ ____ x ____  
\[ \text{Cost} = \text{____ x ____} \]  
= £

## Living Room

Area = ____ x ____+ ____ x ____  
\[ \text{Cost} = \text{____ x ____} \]  
= £

## Grass area

Area = ____ x ____  
\[ \text{Cost of seed} = \text{____ x ____} \]  
= £

Perimeter = ( ____ + ____ ) x 2  
\[ \text{Cost of fence} = \text{____ x ____} \]  
= £

\[ \text{Total Cost} = \text{£} \]
New flat
Name: _________________   Date: _______

Plan of Flat

- **Living Room**
- **Bathroom**
- **Hall**
- **Kitchen**
- **Bedroom**
- **Grass Area**

Dimensions:
- Living Room: 6m x 6m
- Bedroom: 4m x 6m
- Bathroom: 3m x 3m
- Hall: 6m x 2m
- Kitchen: 4m x 4m
- Grass Area: 7m x 4m

Adapted from a L2 version by Chris Cook. L1 Functional Maths. For related resources visit the resource description page at skillsworkshop. Page 3 of 4
New flat
Name: _____________________   Date: _______

Note:
Page 2 is a scaffolded worksheet for less confident learners and can be omitted for a less structured approach such as a Functional Maths practice task.

Adult Numeracy
MSS1/L1.8 Work out the perimeter of simple shapes, e.g. rectangle, equilateral triangle
(a) know that perimeter is the boundary of a shape
(b) know that perimeter is measured in units of length
(c) understand that measurements required to calculate the length of the perimeter depend on the shape

MSS1/L1.9 Work out the area of rectangles
(a) know that area is a measure of surface
(b) know what measurements are required to calculate area, and how to obtain them
(c) know that measurements must be in the same units before calculating area
(d) know that the area of a rectangle = length x width
(e) know that area is measured in square units

HD1/L1.1 Extract and interpret information (e.g. in tables, diagrams, charts and simple line graphs)
(a) understand that the title, labels, key, etc. provide information
(b) know how to read the scale on an axis
(c) know how to use a simple scale such as 1 cm to 1 m
(d) know how to obtain information from a pictogram, pie chart, bar chart, and single-line graph, including use of decimal numbers

http://www.excellencegateway.org.uk/page.aspx?o=sflcurriculum

Functional Maths
Ideal for underpinning the following Coverage and Range statements.
Level 1
- Solve problems requiring calculation, with common measures, including money, time, length, weight, capacity and temperature
- Work out areas and perimeters in practical situations
- Extract and interpret information from tables, diagrams, charts and graphs