

## Functional Skills Certificate FUNCTIONAL MATHEMATICS

Level 2  
Data Book (Examination)

---

### Insert

#### Instructions

- This copy of the Data Book is for use in the examination. It should not be given to students in advance.

#### Advice

- This book will not be collected in for marking. Ensure that all working that you wish to have marked is written in the space provided in the question/answer book.

### Data Sheet for Pets Corner

At Pets Corner you can see alpacas, pigs, goats, sheep, rabbits and birds.

#### Buses to Pets Corner

The nearest bus stop to Pets Corner is Corner House.

Here is part of the timetable for the number 38 bus.

Whickham View	0922	0942	then at these minutes past each hour	02	22	42
General Hospital	0934	0954		14	34	54
Central Station	0941	1001		21	41	01
John Dobson Street	0952	1012		32	52	12
Sandyford Road	0955	1015		35	55	15
Corner House	1001	1021		41	01	21
Freeman Hospital	1006	1026		46	06	26

#### Keeping alpacas



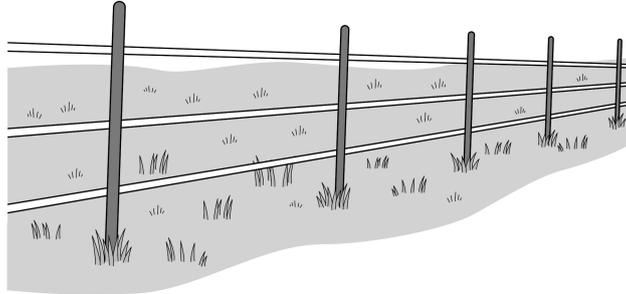
Two or three alpacas should be kept together in an enclosure.

The enclosure should have an area of at least half an acre.

### Making an enclosure

Electric tape and plastic posts can be used to make a fence for an enclosure.

Here is a fence with 3 rows of electric tape.



Plastic posts are placed along each edge of the enclosure from corner to corner.

Electric tape is attached to the posts in rows.

There are usually 3 or 4 rows.

### Converting an area in square metres to square yards

Use this formula.

$$y = 1.196m$$

$y$  is the area in square yards

$m$  is the area in square metres

### Data Sheet for Water

The water that you use is measured in cubic metres or litres.

1 cubic metre = 1000 litres

With 1 cubic metre of water you can do **all** of the following.

	Water used
Have a bath	77 litres
Use a washing machine 3 times	213 litres
Have 6 showers	216 litres
Flush the toilet 32 times	288 litres
Make 49 cups of tea	12 litres
Use a dishwasher 3 times	45 litres
Cooking and other uses	149 litres
<b>Total</b>	<b>1000 litres</b>

### Ways to save water

Have a shower instead of a bath

Put a brick in the toilet cistern

Only use the dishwasher when it is full

### Ways to pay water charges for a year

#### With a water meter

A fixed charge  
plus  
an amount for each cubic metre of water used

#### Without a water meter

A yearly charge

Having a water meter may work out cheaper.

This depends on how much water you use.

It is free to have a water meter fitted.

**END OF DATA**