

Functional Skills Certificate

FUNCTIONAL MATHEMATICS

Level 1

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	0942	1002	1022	1042	1102
General Hospital	0954	1014	1034	1054	1114
Central Station	1001	1021	1041	1101	1121
John Dobson Street	1012	1032	1052	1112	1132
Sandyford Road	1015	1035	1055	1115	1135
Corner House	1021	1041	1101	1121	1141
Freeman Hospital	1026	1046	1106	1126	1146

Keeping alpacas



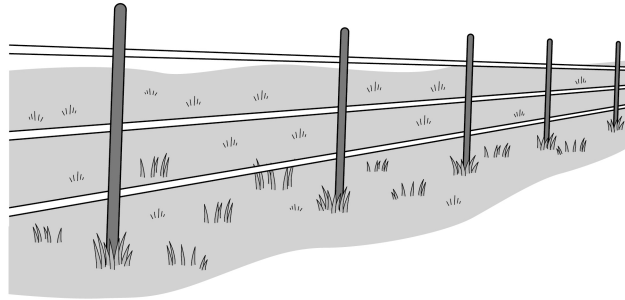
Two or three alpacas should be kept together in an enclosure.

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

Follow these steps.

Step 1 Work out area in square metres \div 5

Step 2 Work out answer to **Step 1** \times 6

Example

To convert 100 square metres to square yards.

Step 1 $100 \div 5 = 20$

Step 2 $20 \times 6 = 120$

100 square metres = 120 square yards

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
Total	1000 litres

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