

Oldbridge Maths Trail

11+ years



OPW

Welcome to Oldbridge House

Our Maths trail will take you from the front of the house, into the walled garden and finishes in our Octagonal garden. This Maths Trail is for families with children aged 11+ Years

GOOD LUCK!

Beginning outside, facing the front of the house, can you:

1. Count how many **windows** you can see at the front of the house.

18 20 22

What **shape** are the windows on the ground and 1st floors?

Square Round Rectangular

What **shape** are the windows on the top floor?

Square Round Rectangular



2. If each window on the top floor has 6 panes of glass, and there are 7 windows, how many panes of glass are there in total on the top floor?

3. There are 2 Saker cannons outside the main door. If each cannon took 4 horses to move it, and King William had 40 cannons at the Battle of the Boyne, how many horses would he have needed to move them all?

Now make your way towards the Walled Garden, and stop at the gate before you enter:

1. How many **pear trees** line the wall on the left hand side?

5 7 9

2. If each pear tree gives 22 pears a year, but 2 off each tree are stolen by birds, **how many pears** will there be left to eat every year?



3. How many **cone shaped trees** can you see from the gate?

41 45 51

4. There are 4 rectangular hedged areas in the garden. Pick one, and measure its **AREA**. Note: one large step roughly equals 1 metre.

Area = Length _____ m x Width _____ m



Answer: _____ metres squared

Make your way to the Octagonal garden, and stop at the gate to the right-hand side of the Bothy (the potting shed).

1. How many **sides** has an Octagon?
 6 7 8



Walk through the gate, turn right and walk to the first statue beside the wall.

2. Can you **break the code** below to find out the name of the Roman Goddess the statue represents, if: e.g. A =1

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

22	5	14	21	19

7	15	4	5	19	19		15	6		2	5	1	21	20	25		1	14	4		12	15	22	5

From the statue, descend into the middle of the garden. Standing on the stone plinth:

3. How many sets of steps can you see into the garden?
 2 3 4
4. If it takes our gardener 1 hour and 30 minutes to mow the grass, how long would it take for 3 gardeners to mow the grass?



5. How many benches are there in the Octagonal garden?
 3 4 5
6. If each bench seats 4 people, how many benches would we need to seat 120 people?

WELL DONE