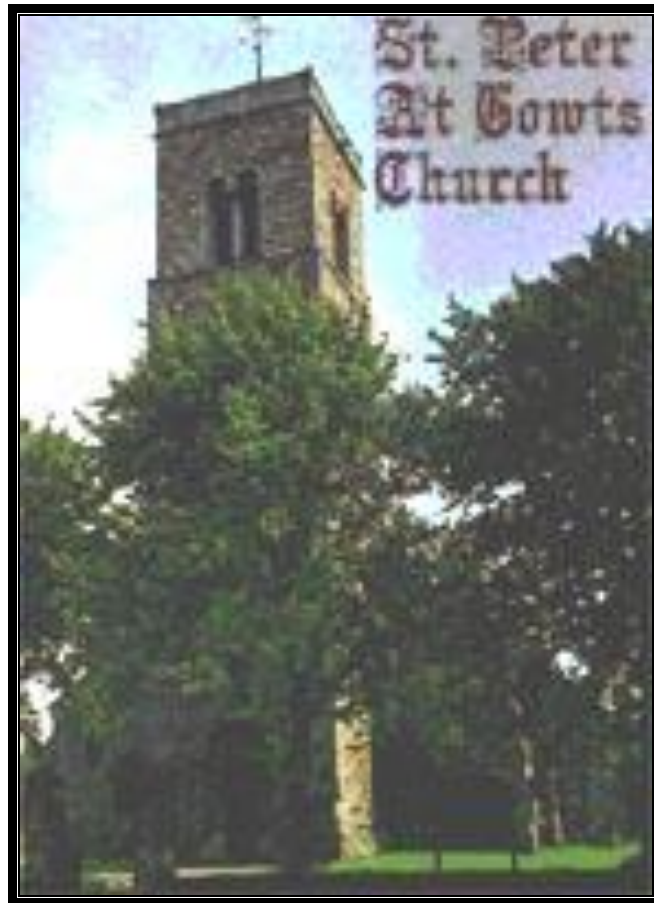# St Peter at Gowts Church

Maths Trail

Name: _____

Date: _____

Church Plan

Question Time

INSTRUCTIONS:

The answers to all of these questions can be found inside the church building.

You will need to look for patterns and pictures, for numbers and shapes, dates, lists and even paintings and sculpture.

There will be times when you might have to use some maths you know or when you have to work things out for yourself or perhaps draw a picture or a graph!

Remember there will be things to look at in church that you might have never seen before or never even realised that it was there!

Use the plan of the church to find your way around; there are some questions that can only be answered in certain places.
Don't get lost!

Have fun and see what you can find out:

MATHS IS EVERYWHERE, ALL AROUND YOU, ALL THE TIME!

Good Luck!

Mr Watson

THE NAVE:

Approximately how many chairs would you need to seat the same number of people that can sit in the pews?

Can you find Catherine Matthews memorial?
How old was she when she died? _____

How many 'Stone' steps can you find? _____

Where can you find St George and the Dragon?

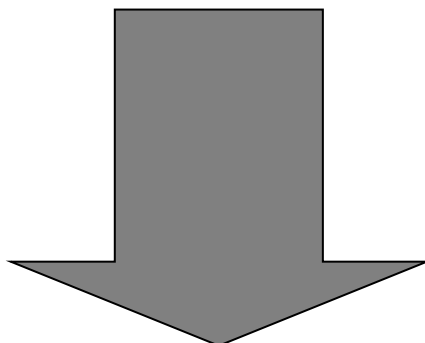

_____

Find The Roll of Honour:

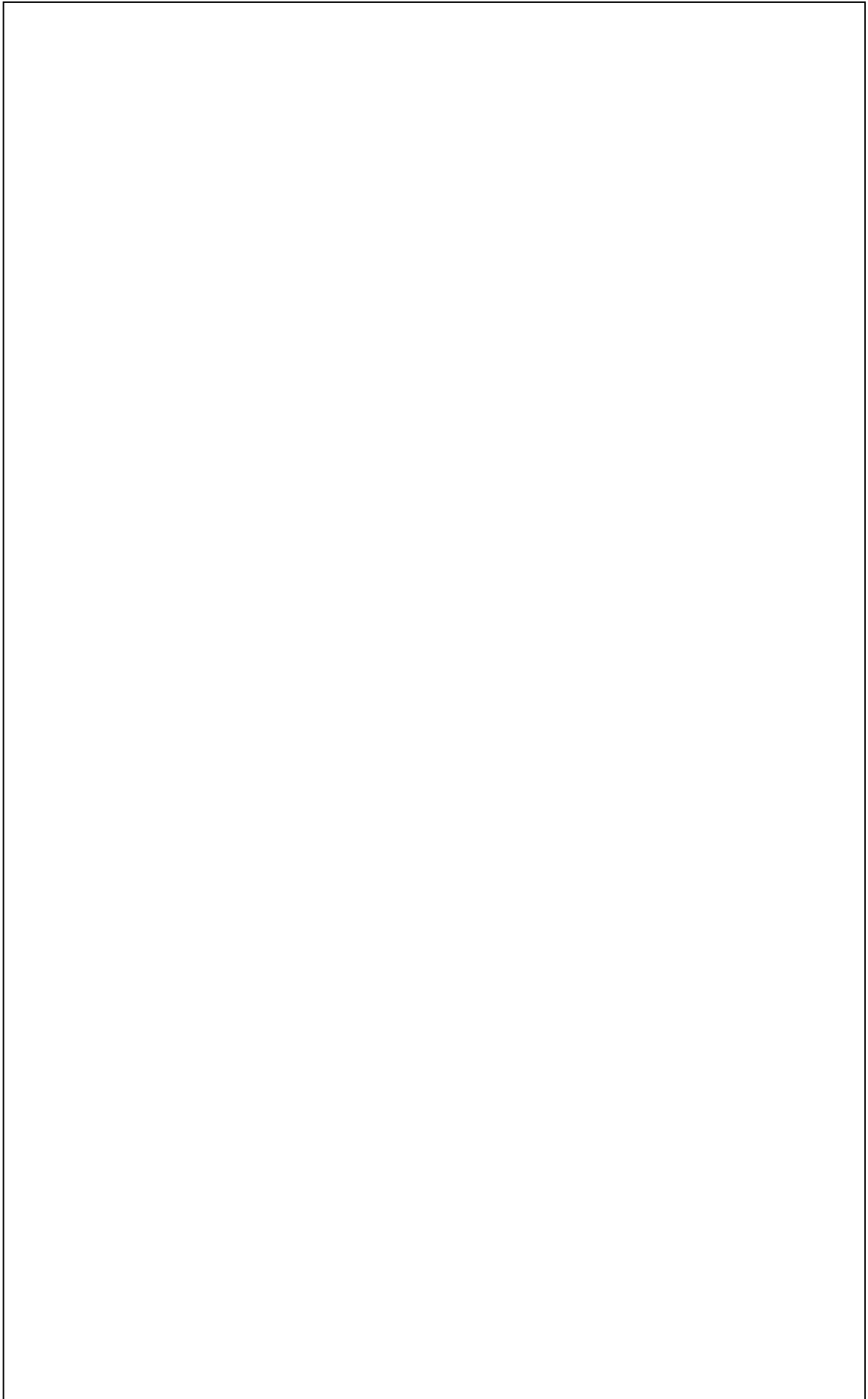How many people from the parish of St Peter's Church died in the 1914-1919 war?

_____

Create a tally chart:
Count up the number of people for each different Christian name.
Which name was the most common?
How many different names were used?

Draw a graph:
"A graph to show how many surnames on the Roll of Honour for each letter of the alphabet?"

Which letter was used the most? _____

Which letter was used the least? _____

How many sides does a cross like this have? _____

How many 'metal' crosses can you find? _____

How many sides is this in total? _____

The Rood Cross:

How many gold flower bosses are on the cross? _____

Write a multiplication calculation which links this number to the cross.

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Pace the length and width of the Nave - now estimate its area

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Are there more organ pipes than candle sticks? _____
How many of each can you find?

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Find this image:

How many arches are on the font? _____
How many arches are in the Nave? _____

Which has the most arches and by how many?

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Now search carefully for this pattern:

How many of them are there? _____

How many tiles are on this wall altogether? _____

Can you find the 10 commandments?
List them: (use the roman numerals too!)

_____

_____

_____

_____

_____

_____

_____

_____

_____

Where can you find this pattern?

If the pulpit was a complete 2D shape, what shape would it be?

THE NORTH AISLE:

Find the memorials on the walls - List the people in order of the year that they died, starting with the longest time ago and ending with the most recent.

_____   _____

_____   _____

_____   _____

_____   _____

_____   _____

_____   _____

_____   _____

Can you find this?

When was James Weston Townroe instituted? _____

When did he die? _____

How long was he in office? _____

THE SOUTH AISLE:

Find this memorial:

IN AFFECTIONATE MEMORY OF
ROBERT JOHNSON,
WHO WAS BORN AT APPLEBY IN THIS COUNTY,
DIED IN THIS PARISH MARCH 16.TH. 1852,
AGED 58 YEARS.
ALSO OF
ELLEN JOHNSON,
RELICT OF THE ABOVE
WHO DIED ON CHRISTMAS EVE 1880,
AGED 85 YEARS.

REQUIESCANT IN PACE.
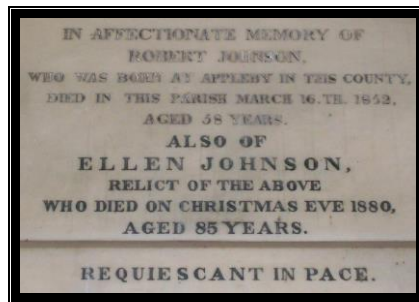
In what years were Robert and Ellen Johnson born?

THE CHAPEL:

Find this picture:

What is the square of the sum of the 3 numbers? _____

Can you make "20" by using all 3 of the numbers? (once each)

What about making "2" by using all 3 of the numbers? (once each)

How many circles can you count in the 9 windows of the chapel?

_____

Now write this as a ratio of circles to windows

_____

THE CHOIR:

How many wooden flowers in The Choir? _____

THE SANCTUARY:

Look at the roof.

How many shields are there?
Show how you worked it out (CLUE: Don't just count them!)

Find this plaque:

Can you work out the year in roman numerals?
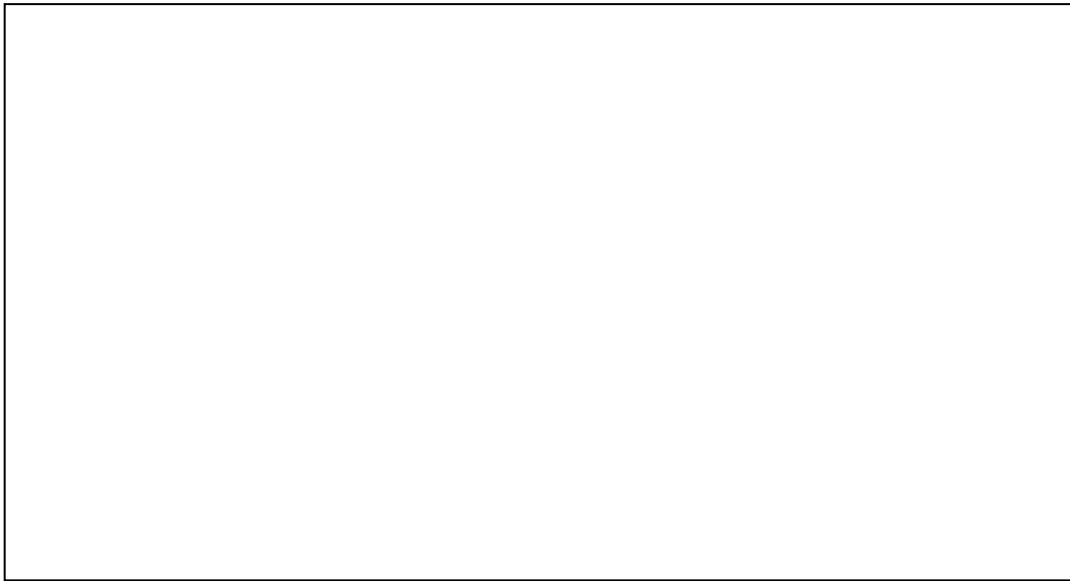### MDCCCLXXXVII

THE ALTAR:

Find St Hugh:

If every apostle has two eyes and ten fingers - how many fingers and eyes are the in total?

How many keys can you count on the Reredos? _____

CHALLENGE:

Can you find the eight stone faces?
Where are they?

Well that's it!

Congratulations

You have completed the trail, who would have thought there would be all this maths in church?

And these were just some of the questions I wrote!

I hope you enjoyed it!

Mr Watson