

Clues

#1: The difference between the first and second digits of the code is .

#2: The second digit of the code is not .

#3: The difference between the first and last digits of the code is .

#4: The difference between the largest and smallest digits in the code is .

#5: The last digit of the code is .

The code is

This puzzle trail was written by Matthew Scroggs.

- [mscredggs.co.uk](https://www.mscredggs.co.uk)
- [@mscredggs.co.uk](https://twitter.com/mscredggs)
- [@mscredggs@mathstodon.xyz](mailto:mscredggs@mathstodon.xyz)

Back to the Transport Museum

Head right along Hales Street. After a short walk, the Transport Museum will appear on your left. Head inside and unlock your treasure.

The number n has e digits. All of its digits are 9. The last digit of the code is the hundreds digit of the sum of all the digits of n^2 .

Dugdale left the school is e.

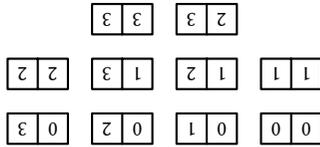
When you reach a crossroads, look for the Old Grammar School. The year in which Sir William

Head back to Coventry Cross, and head along Trinity Street (the only road from the cross that you've not on been yet). Wave hello to the Flying Standard where we met after dinner last night, then turn left along Ironmonger Row. Follow the road to Cross Cheap- ing then The Burgess. If you're a comic book fan, quickly pop into Forbidden Planet before continuing the trail.

Clue #5

The sum of all the numbers on all these dominoes is 30.

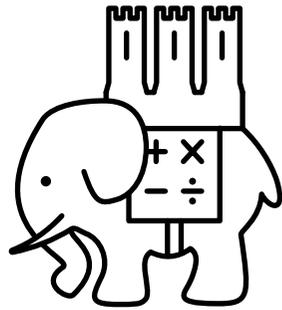
The difference between the largest and smallest digits in the code is the units digit of the sum of all the numbers on all the dominoes that can be made using the numbers 0 to d (inclusive).



There are 10 dominoes that can be made using the numbers 0 to 3 (inclusive):

The original Coventry Cross stood from 1544 until the 1770s when it was demolished. The current replica was in Coventry between 1976 and 2019 before being removed then put back (in a slightly different location) in 2023. Read the information on Coventry Cross. The year in which Henry VI first visited Coventry is c .

The area of largest quadrilateral that fits inside a circle with area 2π is 4. The difference between the first and last digits of the code is the thousands digit of the area of the largest dodecagon that fits inside a circle with area π .



Walking Maths in Coventry

Puzzle trail for TMiP 2025

Also available at [mscredggs.co.uk/coventry-trail](https://www.mscredggs.co.uk/coventry-trail)

Clue #4

Head to the right along Broadgate. When you reach Broadgate Square, head towards the statue of someone riding a horse—even though she's riding

Clue #3

Head along St Michael's Avenue then straight on past Holy Trinity Church. After a while, you'll arrive at a replica of Coventry Cross.

The original Coventry Cross stood from 1544 until the 1770s when it was demolished. The current replica was in Coventry between 1976 and 2019 before being removed then put back (in a slightly different location) in 2023. Read the information on Coventry Cross. The year in which Henry VI first visited Coventry is c .

The area of largest quadrilateral that fits inside a circle with area 2π is 4. The difference between the first and last digits of the code is the thousands digit of the area of the largest dodecagon that fits inside a circle with area π .

How it works

Welcome to Coventry, the 13th largest city in the UK and home of the 1987 FA Cup champions.

There is a locked box in the Transport Museum. Your challenge is to work out the code for the combination lock on the box to get to the prizes inside. The code is a four-digit number.

During the trail, you will discover five clues to the code. You will need to find information around this part of Coventry and solve some puzzles to reveal each clue. You may wish to use a calculator for some of the puzzles. There's space on the back of this zine to note down the clue you get from each puzzle.

The trail involves around 1 mile of walking around Coventry, and step-free paths are available for the entire route.

...then 11 is written directly below 5. The second digit of the code is not the tens digit of the number written directly below b .

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16

huge triangle like this:

If you write the numbers from 1 to 1000 in a beth. The year in which it was laid is b .

the cathedral until you reach St Michael's Avenue, Turn right onto Priory Street and walk alongside the cathedral's entrance is located. Turn right and head up the stairs or ramp.

The cathedral was almost completely destroyed during the Coventry Blitz in 1940 during World War II. At the top of the stairs, you'll see the modern cathedral to your right and the ruins of the older cathedral to your left. One of the foundation stones of the modern cathedral was laid by Queen Elizabeth. The year in which it was laid is b .

Turn right onto Priory Street and walk alongside the cathedral until you reach St Michael's Avenue, where the cathedral's entrance is located. Turn right and head up the stairs or ramp.

The cathedral was almost completely destroyed during the Coventry Blitz in 1940 during World War II. At the top of the stairs, you'll see the modern cathedral to your right and the ruins of the older cathedral to your left. One of the foundation stones of the modern cathedral was laid by Queen Elizabeth. The year in which it was laid is b .

If you write the numbers from 1 to 1000 in a huge triangle like this:

Clue #1

The trial starts at Coventry Transport Museum, where you are currently standing. Head outside into Millennium Place and look for your favourite city on the floor. A little to your left, you should see a building with crenellations—it's Swanswell Gate, part of Coventry's city walls. Head towards Swanswell Gate, and you'll find yourself in some gardens named after a lady. The year in which these gardens opened to the public is a .

15^4 is equal to 50625. The hundreds digit of 15^4 is 6. The difference between the first and second digits of the code is the hundreds digit of 15^a .

Clue #2

Go back out of the gardens and head left towards Sainsbury's. Cross the road by Sainsbury's then head down Priory Place to the left of the BBC building.

When you arrive in a plaza full of restaurants head up the stairs or ramp, keeping an eye out for a plaque on the floor reminding you who won the FA Cup in 1987. Walk in the same direction as you