


## Maths in English 5<sup>ème</sup>

Sherlock Holmes and Doctor Watson have a very difficult case to solve .




*Elementary,  
my dear  
Watson!*

They know that Lord Blackwood wants to poison Irene Adler ( Sherlock Holmes's great love ) in a restaurant . They just know that the restaurant is in London, at an equal distance from three underground stations. 

### First clue

The first underground station  is where Sherlock Holmes lives.

Find the correct factors in the grid and the letter which corresponds. 

54 24 15 40 20    27 1 20 40 40 1


— — — — —    — — — — —

The name of this underground station is

Find it and colour it on the London map ( it's in the North West )

X	1	2	3	4	5	6	7	8	9
1	T	Y	P	L	Z	I	W	D	O
2	Y	L	I	D	N	F	U	L	I
3	P	I	O	F	K	I	S	A	S
4	L	D	F	L	R	A	A	V	C
5	Z	N	K	R	X	T	M	E	R
6	I	F	I	A	T	C	J	Q	B
7	W	U	S	A	M	J	G	N	M
8	D	L	A	V	E	Q	N	C	E
9	O	I	S	C	R	B	M	E	H

**Second clue :**

The second underground station  is near a cathedral where Holmes met Watson .

Calculate and find the letters which corresponds in the table.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	...
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	



$25 - 3 \times 2 =$         $(100 + 20) : 2 - 80 : 2 =$

$2 \times 3 \times 4 - 8 =$         $(123 \times 425 - 2) : (123 \times 425 - 2) =$         $2 : 10 + 20.8 =$         $(600 + 1000 - 400) : 100 =$

What is the name of this famous cathedral ?  's

Find it and colour it on the map of London ( it's in the East) .

### Third clue

The third underground station  is near the Sherlock Holmes Museum.  
It's also near a train station.

But there are 4 train stations in London !

Fortunately, Holmes and Watson know that the killer will arrive by train 1h48min before the restaurant opens .

( in London the restaurants open at 6 : 30 pm\_)

Look at this table and find the train station where the poisoner will arrive.

<i>Train Station</i>	<i>Train</i>	<i>Arriving at</i>
<i>St Pancras</i>	<i>n°2201</i>	<i>4 :42 am</i>
<i>Waterloo Station</i>	<i>n°4728</i>	<i>8 :18 pm</i>
<i>Charing Cross</i>	<i>n°6391</i>	<i>4 :42 pm</i>
<i>Victoria Station</i>	<i>n°3457</i>	<i>6 :30 pm</i>

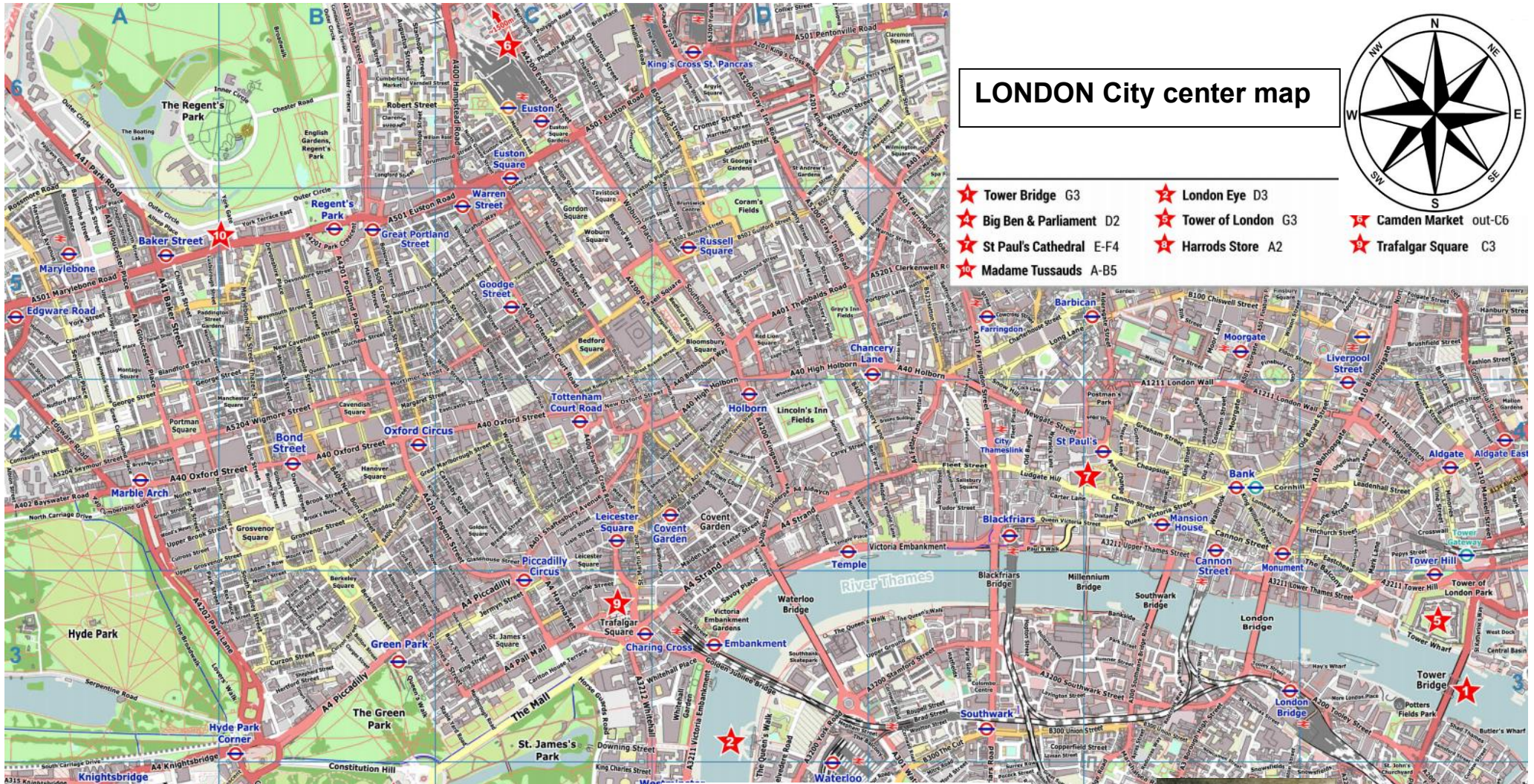
What is the name of this train Station ?

Find the name of the train station and colour it on the map.

Ok ! now Holmes and Watson know that the restaurant is at an equal distance from these three underground stations.



Use your geometry instruments to find the precise location of this restaurant on the London map .



Complete the newspaper !



A dangerous poisoner arrested !  
 In a restaurant near .....underground station .  
 Thanks to Holmes and Watson, Irene Adler is safe !



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