



Maths Learning across autumn term (White Rose scheme)

Number: Multiplication and Division (3 weeks)

Measurement: Area (1 week)

Number :Fractions (4 weeks)

Number: Decimals (3 weeks)

Number & calculation

- ❖ Locate Italy on world map. Use map scale to work out how far Italy is from the UK and other European countries
- ❖ What is the difference in population of Italy and UK
- ❖ How many volcanoes does Italy have? How many are active? How high are they? compare and order
- ❖ In what year did any last erupt? Calculate how long ago that was
- ❖ How many different seas are around Italy? How does this compare to UK?
- ❖ Find out the main cities in Italy and compare and contrast e.g. size & population – look at statistics charts How have they changed in last 10, 5 years?
- ❖ Identify some Italian cities, look up their approximate populations on the internet and order according to number of people living in them. Compare these numbers and ask questions relating to finding totals and differences.
  - ❖ Consider Why Italy's large cities are built in the north? (→ Built along the River Po.)

Data collection

- ❖ Use a physical map to identify mountain ranges within Italy (The darker the brown, the higher the range). How high are the mountain ranges? Compare to any mountain ranges in UK
- ❖ Ask the children to find the names of some famous Italian mathematicians and to make a mathematical fact-file for them which include date of birth, date of death and the significant contributions they made to the world of mathematics.

Shape

- ❖ Investigate why Italy is shaped like a cowboy boot

Measurement

- ❖ Italy is closer to the Equator therefore it is much hotter. However, in the Alps (northern Italy), the mountains are cold and snowy. Show a climate map of Europe. Discuss the key and colours for Italy and England. Why are they different? Calculate the average temperature differences between UK and Italy across a year
- ❖ Locate Italy on a map of the world, which continent is it in? Find the distance from your school to Rome using the scale on the map and convert the measurements to miles and kilometres.
- ❖ Using a map, make up some different routes from one city to another and measure the distances using string, rulers and the scale on the map. Convert from kilometres to miles or vice versa. Work out the time it would take to drive at an average of 60mph to travel along these routes.
- ❖ Make an Italian fact-file to show such things as annual rainfall, temperature, time zone, population, currency. Make graphs and tables to show this information and make comparisons with the UK. You could work on mode, mean, median and range of the rainfall and temperature data. Convert amounts of money into Euros and vice versa.

Position and Movement

- ❖ Use a map of Europe/Italy with grid lines and grid numbers to locate particular squares on the map using four-figure grid references. Identify and use OS map symbols.
- ❖ Introduce idea of horizontal gridlines being called northings & vertical gridlines being called eastings. Know which way is North and East and be able to locate grid references using eastings and northings (link to coordinates).
- ❖ Use satellite pictures (e.g. google earth)to describe direction and location of main rivers, volcanoes, mountain ranges etc (e.g. North East, South West)

