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| **Literacy and spelling**  Make sure you know the meaning and spelling of the following words.  Polygon, side, vertex, vertices, quadrilateral, triangle, equal, opposite, properties, regular, irregular, parallel, angle, diagonal, scalene, right angle, trapezium, isosceles | **Research**  http://nrich.maths.org/content/id/7749/britain.png  What shapes can you find on this flag? How many of each type? Remember to use their mathematical names.  Can you find a flag that has rotational symmetry?  Can you find a different flag that has lines of reflective symmetry? | **Memory**  Units and measure  “kilo” means “a thousand” so 1 kilometre = 1000 metres  “milli” means “a thousandth” so 1 millimetre = 1/1000 metre  Polygons  3 sides – triangle, 4 sides – quadrilateral  5 sides – pentagon, 6 sides – hexagon  7 sides – heptagon, 8 sides – octagon  10 sides – decagon, n sides – n-gon |
| **Skill Practice**  1. Draw the following shapes in your book and mark with the correct mathematical notation (equal sides, equal angles, parallel sides etc.)  a) Rhombus b) Isosceles triangle c) Kite d) Equilateral triangle e) Parallelogram   1. Calculate the perimeters of the following regular shapes (not drawn exactly to scale).   Figure 13cm  30cm 0.3m  300mm | | **Challenge** **and** **Stretch**   1. Add together the perimeters for the shapes in question 2. What is the total? 2. Draw a compound shape using the triangle, square and pentagon in question 2 and calculate the total perimeter. Can you explain the relationship between the perimeter of the compound shape and your answer to question 3?   How much effort did you put into your homework today?  Give yourself a mark out of 10.  / 10 |