Problem Solving - Shape

The total length of all the sides of square A is 32cm.
The total length of all the sides of square B is 8cm.

How much longer is one side of square A than square B?

APPROACH

We must remember that a square has four sides of equal length. If we know the length of all the sides of a square (its perimeter), we can work out the length of one side by dividing the perimeter given, by four!

STEP 1

We must first work out the length on one side of square A.
So, 32cm divided by 4 = 8cm...

STEP 2

Now we must work out the length of one side of Square B.
So, 8cm divided by 4 = 2cm...

STEP 3

We can now work out the difference in length using subtraction.
So, 8cm – 2cm = 6cm!

1. The length of the first side of a triangle is 17cm. The length of the second side of the triangle is 18cm. The total perimeter of the triangle is 45cm. What is the length of the remaining side of the triangle?

2. Fallon draws five rectangles. What is the total number of right angles in Fallon's five rectangles?

3. Claire thinks of a shape... It has four sides, four right angles and two lines of reflective symmetry. What shape is Claire thinking of?

4. Jacob divides three square pieces of paper into four equal sections. He then shades three of the sections on each piece of paper red. What fraction of each piece of paper is not shaded? EXT – What fraction of the whole amount of the sections is shaded?

5. Ethan draws three regular pentagons (each side measuring 2.5cm) and four regular hexagons (each side measuring 5cm), he then combines their total perimeter. What was the measurement that Ethan got?

6. Anton draws the net of a cuboid. The top and bottom faces measure 4 by 4cm. The remaining faces measure 4 by 9 cm. What is the total area of the cube's net?