

Mystery Hexagons

You need a photocopy of the hexagon shapes a calculator (optional)

Activity

1. Follow these 4 steps to find the mystery number.

Step 1: Choose 3 pairs of numbers. (These have been chosen for you in this mystery hexagon.) Put them in the outer part of the hexagon.

Step 2: Find the product of each pair. Write the product in the inner triangle.

Step 3: Find the product of the 2 numbers that are on either side of each empty triangle. Write the product in the empty triangle.

Step 4: Multiply the numbers in the opposite triangles. Write each answer in the empty trapezium next to the larger number.

What is the mystery number for this hexagon?

2. Try this with 3 different pairs of numbers. Does it still work?
3. Does it work if you add the numbers or use decimals?
4. How does the mystery hexagon work?

