

Enlarge each of the below shapes about the given Centres of Enlargement (CoE), by the following scale factors:

Question No.	1	2	3	4	5	6	7
Scale Factor (s.f.)	s.f. 2	s.f. 2	s.f. 2	s.f. 3	s.f. 2	s.f. 2	s.f. 3

The grid contains seven numbered shapes for enlargement exercises:

- Shape 1:** A triangle with vertices A, B, and C. The center of enlargement (CoE) is at vertex A. The scale factor is 2.
- Shape 2:** A triangle with vertices A, B, and C. The center of enlargement (CoE) is at vertex C. The scale factor is 2.
- Shape 3:** A triangle with vertices A, B, and C. The center of enlargement (CoE) is at vertex A. The scale factor is 2.
- Shape 4:** A square with vertices A, B, C, D, E, and F. The center of enlargement (CoE) is at vertex F. The scale factor is 3.
- Shape 5:** A triangle with vertices A, B, C, and D. The center of enlargement (CoE) is at vertex A. The scale factor is 2.
- Shape 6:** A hexagon with vertices A, B, C, D, E, and F. The center of enlargement (CoE) is at vertex C. The scale factor is 2.
- Shape 7:** A hexagon with vertices A, B, C, D, E, and F. The center of enlargement (CoE) is at vertex A. The scale factor is 3.

# Solutions

