

Task 14 Pairwork : Face to Face

The faces of the dodecahedron are called _____.

Student B

1) Dictate the following instructions to Student A.

1. Given a circle C_1 with centre O , draw a diameter $[AB]$ to circle C_1 .
2. Find the midpoint E of segment $[OB]$.
3. Find the perpendicular bisector of $[AB]$.
4. One of the two points of intersection with C_1 is called C .
5. Construct a circle C_2 of centre E , and with radius $[EC]$.
6. Circle C_2 intersects $[AB]$ at D .
7. Construct a circle C_3 of centre C , and with radius $[CD]$.
8. Circle C_3 intersects circle C_1 at P_1 .
9. Segment $[CP_1]$ is a side of the pentagon.
10. Use it to find the four other sides.

2) Pentagon as dictated by student A :

3) Draw a pentagon inscribed in a circle of radius 12 cm (use the coloured strong card)