



Cuts

Edward wants to make two cuts in Figure A to form Figure B using the resulting pieces.

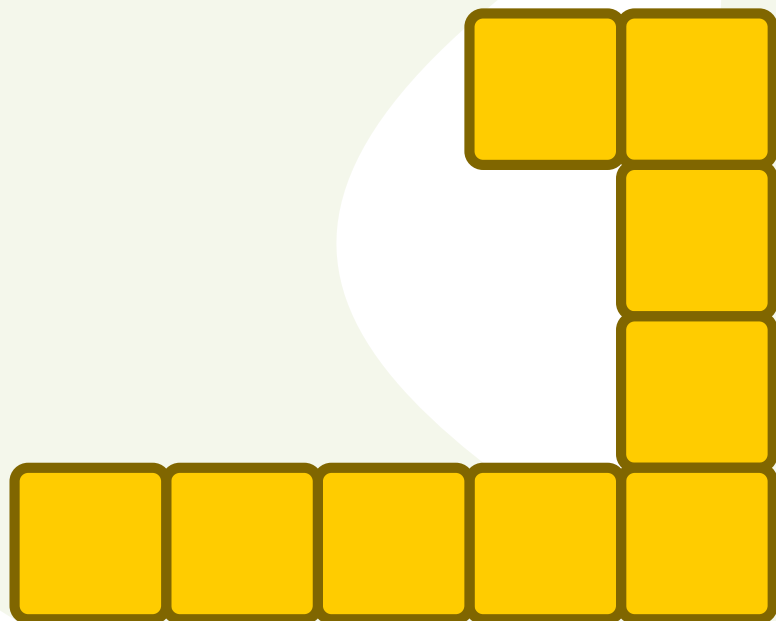


Figure A

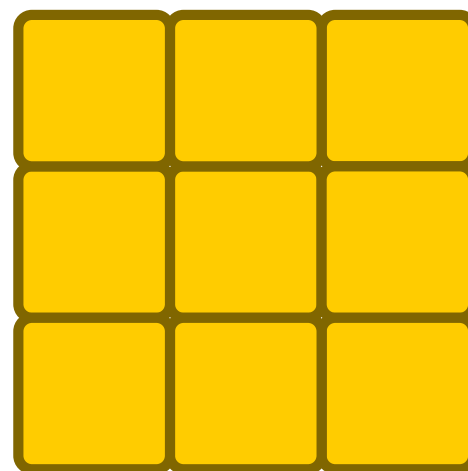
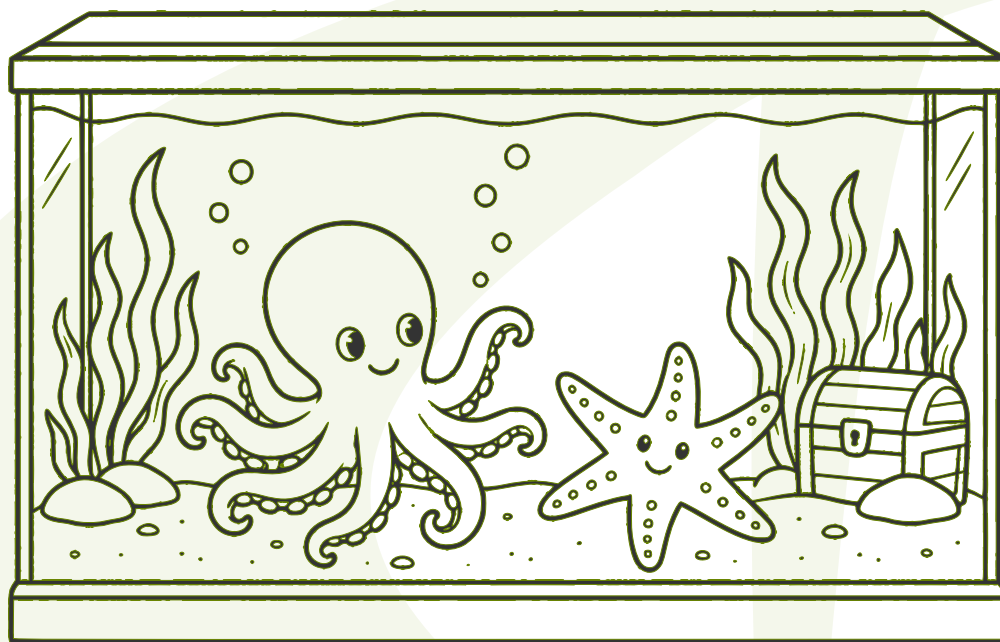


Figure B

How should Edward make the cuts?



Aquarium



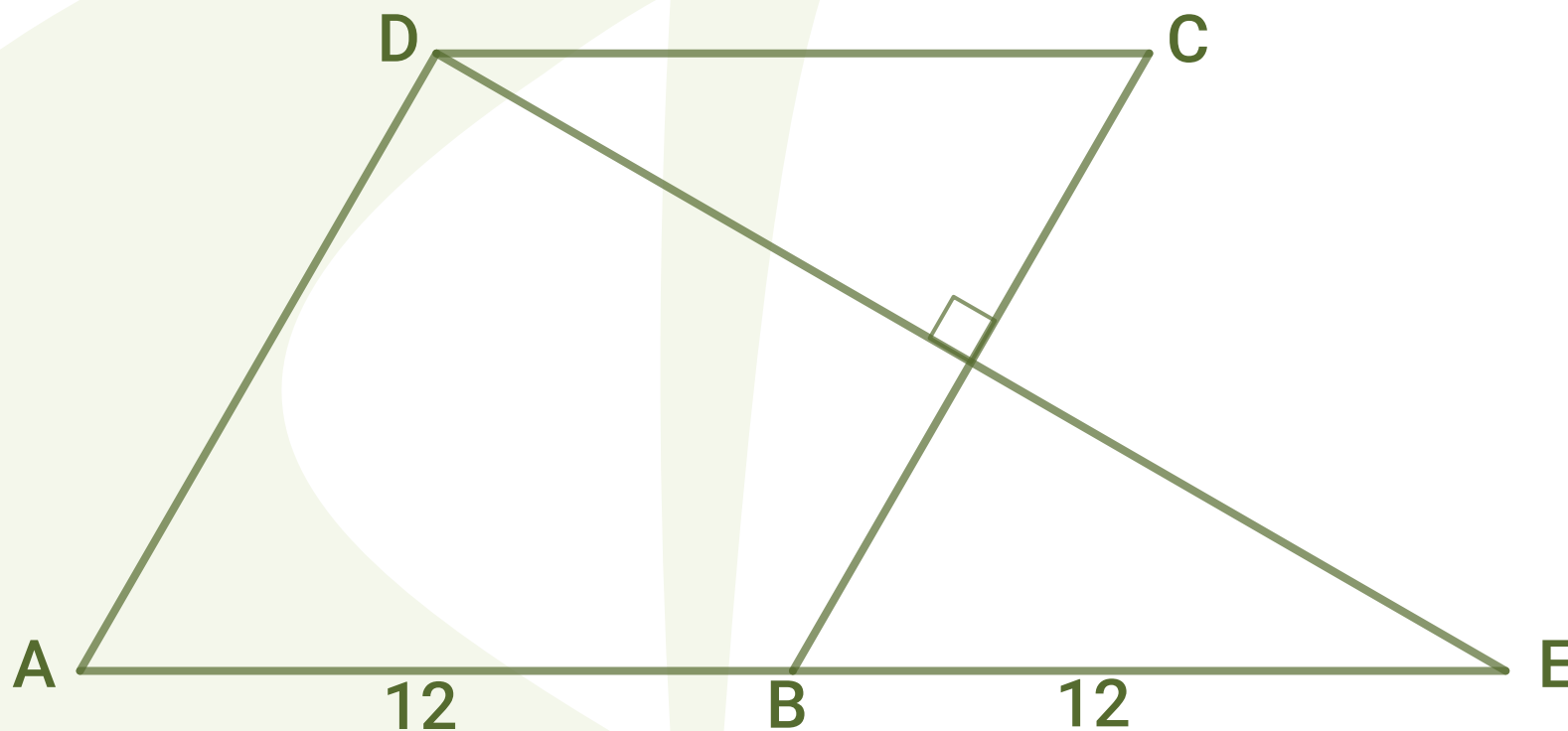
There are half as many octopuses as starfish in an aquarium.

Octopuses have 8 arms, and starfish have 6 arms.

- If there are 80 arms in total, how many octopuses and starfish are in the aquarium?
- Then, 10 more animals arrive, bringing the total to 150 arms. How many octopuses and starfish are in the aquarium now?



Quick Geometry Rhombus



Rhombus $ABCD$

- Determine its angles.
- Determine its area.