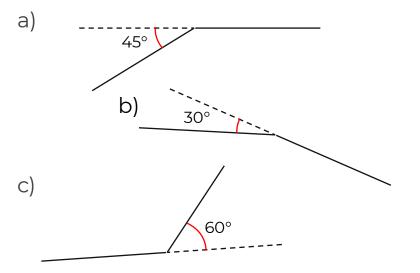
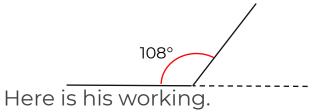
Maths

Mr Clasper

1. Each diagram shows two sides of a regular polygon. Find the number of sides each polygon has.



2. David is trying to calculate the number of sides of a polygon with this interior angle.

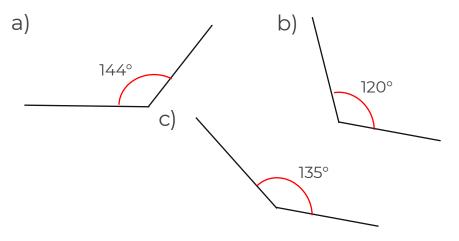


360 ÷ 108 = 3.3333333..... A polygon must have a whole number of sides!

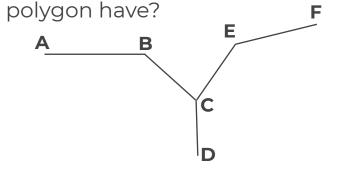
Explain David's mistake.

3. Each diagram shows two sides of a regular polygon.

Find the number of sides of each polygon.

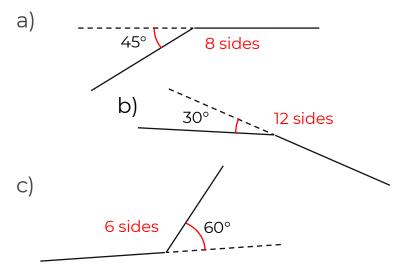


4. ABCD is part of a regular polygon. DCEF is part of a regular polygon with a greater number of sides. The two polygons have the side CD in common. The size of angle BCE is 105°. How many sides does each

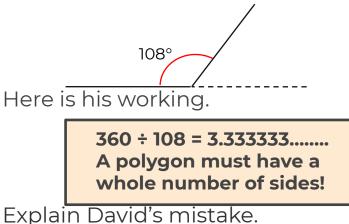


Answers

1. Each diagram shows two sides of a regular polygon. Find the number of sides each polygon has.



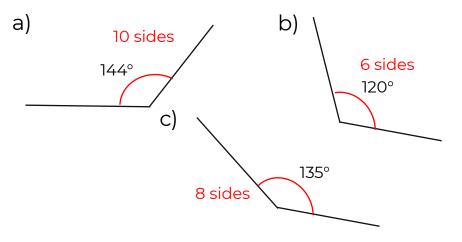
2. David is trying to calculate the number of sides of a polygon with this interior angle.



He has used the interior angle rather than the exterior

3. Each diagram shows two sides of a regular polygon.

Find the number of sides of each polygon.



4. ABCD is part of a regular polygon. DCEF is part of a regular polygon with a greater number of sides. The two polygons have the side CD in common. The size of angle BCE is 105°. How many sides does each

