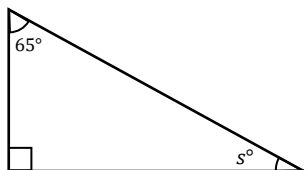


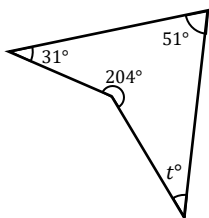
1. Factual recall

Find the missing angles:

a)



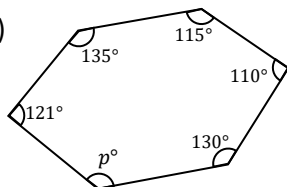
b)



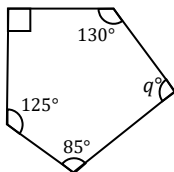
2. Carry out a routine procedure

Find the missing angles:

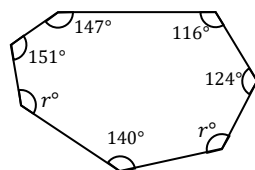
a)



b)



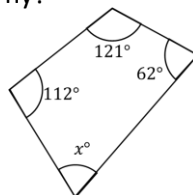
c)



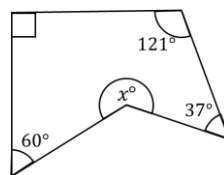
3. Classify some mathematical object

Which question is the odd one out? Why?

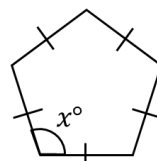
a)



b)



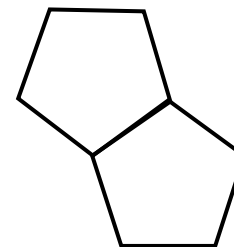
c)



4. Interpret a situation or answer

Jimmy wants to tile his bathroom. He wants to choose a regular polygon shaped tile that fits together with no gaps.

Jimmy decides on a **regular pentagon** tile. Has Jimmy chosen correctly? Explain.



Interior Angles of Polygons

5. Prove, show, justify

Prove that an interior angle for a regular octagon is 135° .

6. Extend a concept

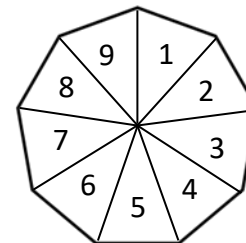
A tessellation consists of 3 regular polygons. Squares, hexagons and a third polygon. What is the third?

7. Construct an instance

Sketch a polygon containing at least 2 reflex angles, 2 obtuse angles and 2 acute angles. Label every angle in your shape.

8. Criticise a fallacy

A student works out the sum of interior angles of a nonagon, here are their workings:



$$180^\circ \times 9 = 1620^\circ$$

Do you agree? Explain.