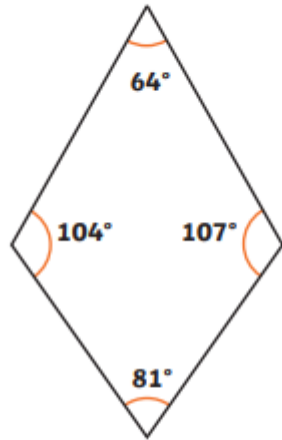


- 1) Monika measured the angles in this kite shape with a protractor and labelled it with the angles she found.



Not to scale

Leo says, "Without measuring the angles myself, I think I have found two reasons to prove Monika hasn't measured the angles correctly."

Which two reasons do you think Leo has found to explain how he knows that Monika has not measured the angles correctly in the kite? Explain your answer fully.

- 2) In a quadrilateral, two of the angles measure 17° and 84° .

Which of the following could be the pair of angles that is missing?

90° and 123° 66° and 35°

147° and 112° 160° and 87°



- 3) Which of these sets of angles could belong to a parallelogram? Which could not? Explain your answer fully.



- a) 71° , 72° , 108° , 109°
 b) 100° , 100° , 80° , 80°
 c) 128° , 128° , 51° , 51°

Important note: quadrilaterals are not drawn to scale, do not use a protractor.