

Activity:

The aim of this activity is for children to practise calculating angles in quadrilaterals. There are three questions to complete. The first two questions allow children to practise the skill, while the third question extends them as they have to problem solve and explain their answer.

Vocabulary:

Quadrilaterals are four-sided 2D shapes with four interior angles that add up to 360 degrees.

A **trapezium** is a quadrilateral with at least one pair of parallel sides.

Parallel sides are sides the same distance apart that never meet.

Supporting resources:

You can watch a video tutorial about calculating angles in quadrilaterals on [<u>kids.classroomsecrets.co.uk</u>](https://kids.classroomsecrets.co.uk) >> **Year 6** >> **Maths** >> **Properties of Shape** >> **Video Tutorials**.

Other resources:

If your child enjoyed this activity and wants to try more activities linked to this learning, you can sign up for £4.83 per month on [<u>kids.classroomsecrets.co.uk/membership</u>](https://kids.classroomsecrets.co.uk/membership).

Check out our daily timetable for Year 6 home learning activities on [<u>kids.classroomsecrets.co.uk</u>](https://kids.classroomsecrets.co.uk) >> Home Learning Timetable.

Angles in Quadrilaterals

1. Corrections: $a = 105^\circ$, $b = 105^\circ$, $d = 55^\circ$
2. C or A = the opposite angles are equal; B = the missing angle is 35° ; C = the shape has one pair of parallel sides.
3. Pedro cannot be correct as his angles total 370° and not 360° .