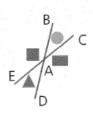
## 4:08 Vertically Opposite Angles

Vertically opposite angles are the opposite angles formed when two straight lines cross.



angle 1 = angle 3, angle 2 = angle 4

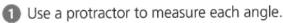


## **General Case**

A cannot move. The lines EC and BD can be turned to vary the angles.



Rule: Vertically opposite angles are equal.





angle 1 =

angle 1 = angle

angle 1 =

angle 1 = angle

Measure to the nearest degree.



Estimate first.

Pind the value of the unknown angle.

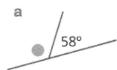








Find the missing angle.





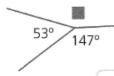












## 4:09 2D Shapes

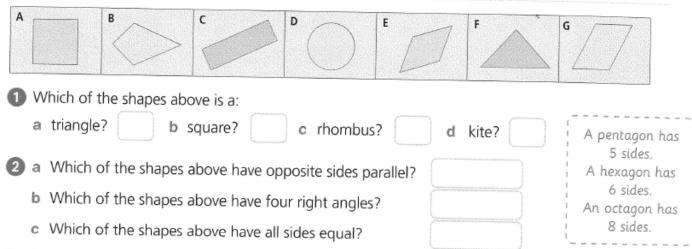
A parallelogram is a quadrilateral that has opposite sides parallel.





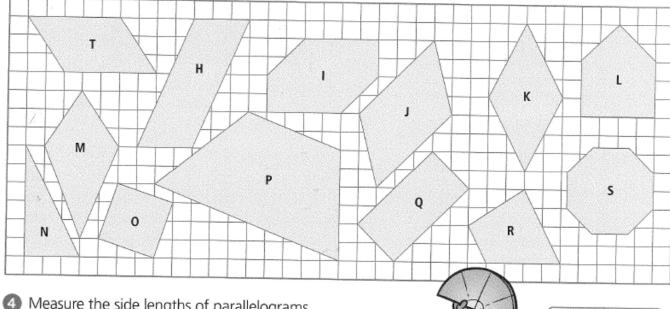
I used two pairs of parallel boards.





3 Give the letter of a shape below that is a:

a pentagon
b rectangle
c rhombus
d octagon
e trapezium
f hexagon



Measure the side lengths of parallelograms
 T and J. Are opposite sides equal?

Measure the angles of parallelograms
T and J. Are opposite angles equal?



Use a protractor to measure the angles.