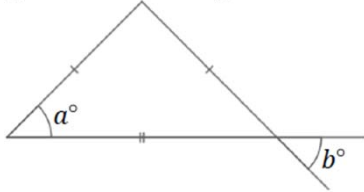


Year 7 Mathematics Learning Journey: Unit 12 - Geometric Reasoning

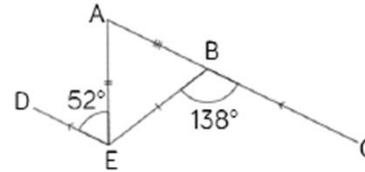
Step 11 (H): Simple Proofs

Prove that angle a is equal in size to angle b in the diagram below.



Steps 9 and 10 (H): Angles in parallel lines

Find the size of angle BAE.



Step 8 (H): Angle sum of polygons

A regular polygon has an interior angle of 172° . How many edges does the polygon have?

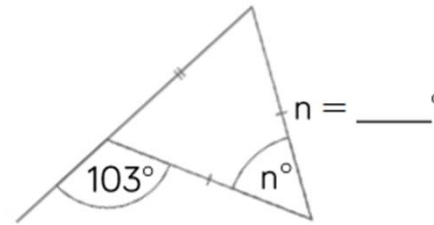
Step 4: Angles in a triangle

Can a triangle have two right-angles?

Step 5: Angles in a quadrilateral

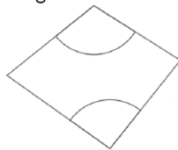
If a quadrilateral has four right-angles, is it a square?

Steps 6 and 7: Angle Problems



Step 3: Vertically opposite angles

Does this diagram represent vertically opposite angles?

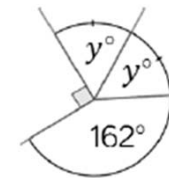


Step 2: Sum of angles on a straight line

John measures 3 angles on a straight line. They are 81° , 47° and 51° . Has John measured the angles correctly?

Step 1: Sum of angles at a point

Form and solve an equation to find the value of y .



Achievement resilience

Community PERSEVERANCE **Pride**

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