Varied Fluency Step 5: Angles on a Straight Line

National Curriculum Objectives:

Mathematics Year 5: (5G4b) <u>Identify angles at a point and one whole turn (total 360 degrees) and angles at a point on a straight line and half a turn (total 180 degrees).</u>

Differentiation:

Developing Questions to support calculating missing angles on straight lines. All angles are in increments of 5° and are on a horizontal line. Up to two angles with labelled degrees. **Expected** Questions to support calculating missing angles on straight lines. All angles are in increments of 1° and are on a horizontal line. Up to two angles with labelled degrees. **Greater Depth** Questions to support calculating missing angles on straight lines. All angles are in increments of 1° and are on a horizontal line. Up to two angles with labelled degrees. **Greater Depth** Questions to support calculating missing angles on straight lines. All angles are in increments of 1° and are on a horizontal line. Only one angle may be labelled with degrees and clues given to calculate the missing angles.

More <u>Year 5 Properties of Shapes</u> resources.

Did you like this resource? Don't forget to <u>review</u> it on our website.

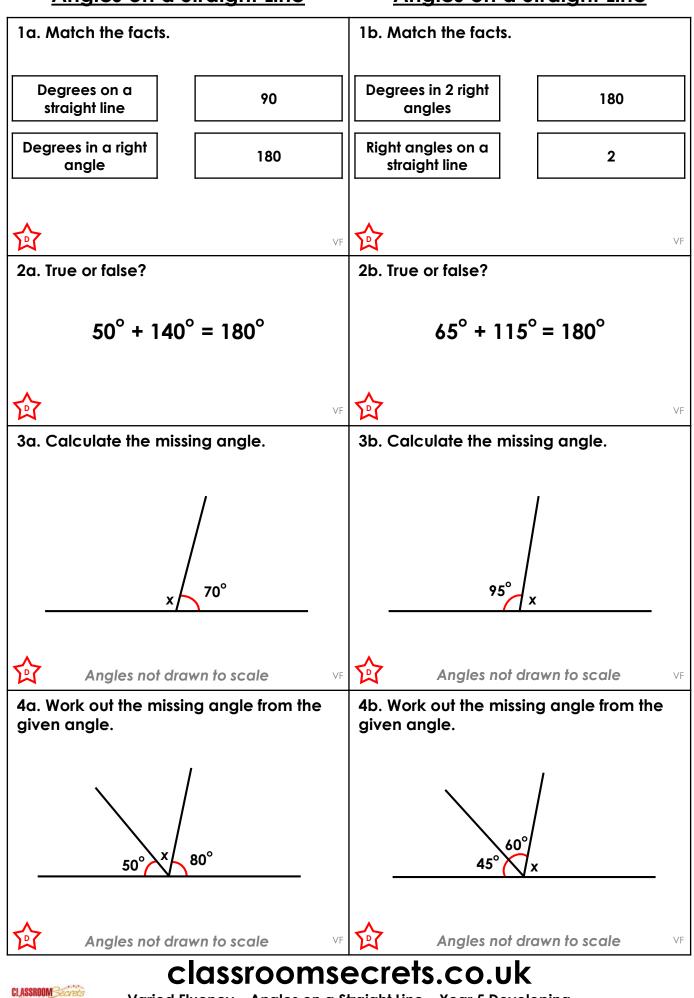




Varied Fluency – Angles on a Straight Line – Teaching Information

Angles on a Straight Line

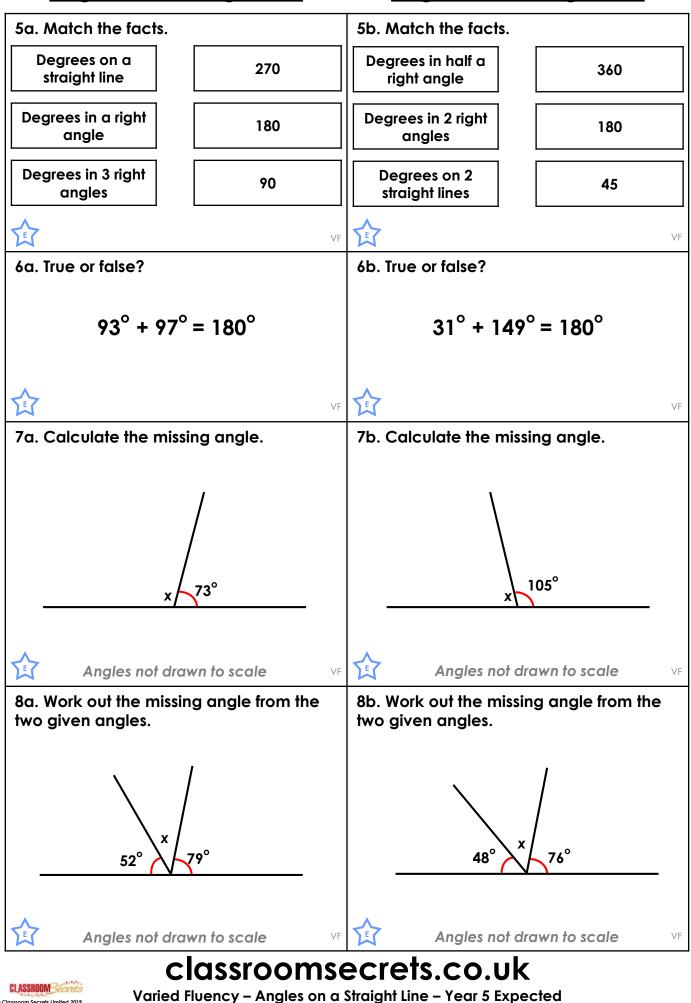
Angles on a Straight Line

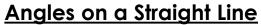


Varied Fluency – Angles on a Straight Line – Year 5 Developing

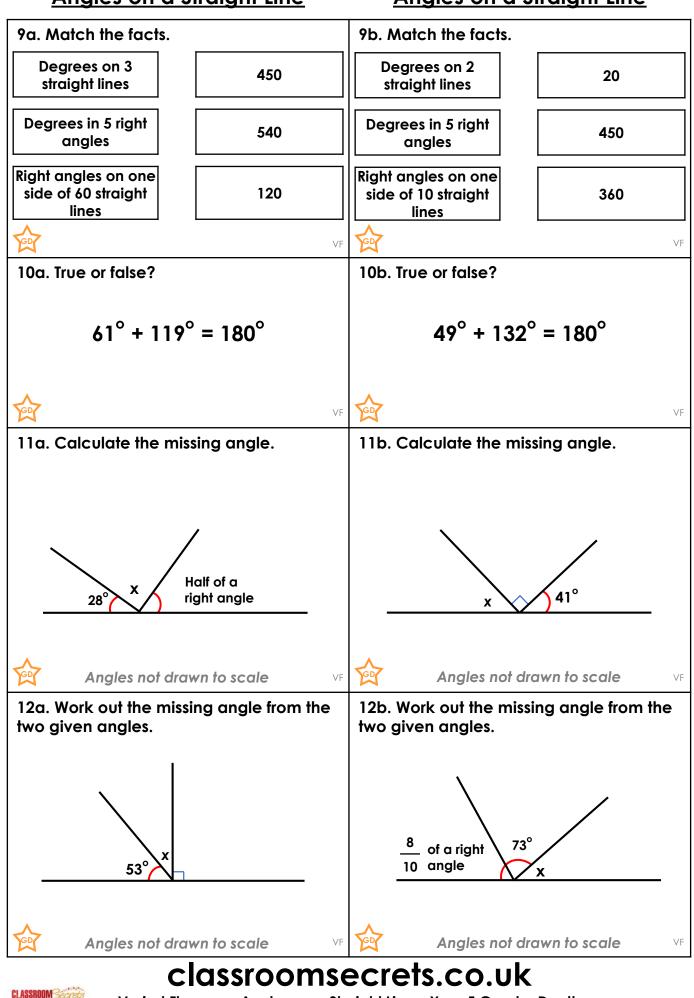


Angles on a Straight Line





Angles on a Straight Line

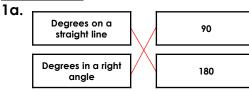


Varied Fluency – Angles on a Straight Line – Year 5 Greater Depth

Varied Fluency Angles on a Straight Line

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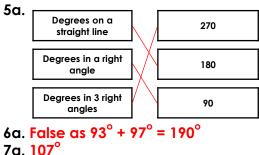
<u>Developing</u>



2a. False as 50° + 140° = 190° 3a. 110°

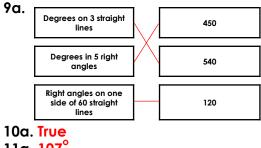
4a. 50°

Expected



- /a. 107
- 8a. <mark>49°</mark>

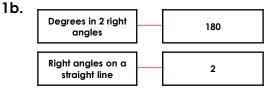
Greater Depth





12a. <mark>37</mark>°

Developing

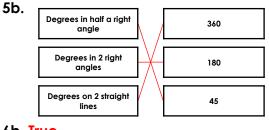


2b. True

3b. 85°

4b. 75[°]

Expected

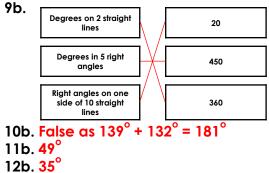


6b. True

7b. 75°

8b. <mark>56</mark>°

Greater Depth







Varied Fluency – Angles on a Straight Line ANSWERS