Varied Fluency Step 2: Introduce Angles

National Curriculum Objectives:

Mathematics Year 6: (6G3a) <u>Draw 2-D shapes using given dimensions and angles</u> Mathematics Year 6: (6G2a) <u>Compare and classify geometric shapes based on their</u> <u>properties and sizes</u> Mathematics Year 6: (6G4a) <u>Find unknown angles in any triangles, quadrilaterals and regular</u> <u>polygons</u> Mathematics Year 6: (6G4b) <u>Recognise angles where they meet at a point, are on a straight</u> <u>line, or are vertically opposite, and find missing angles</u>

Differentiation:

Developing Questions to support introducing right angles and angles on a straight line by making links to quarter and half turns.

Expected Questions to support introducing right angles, angles on a straight line, and angles around a point, by making links to quarter, half, and three-quarter turns. Greater Depth Questions to support introducing angles in shapes and comparing types of angles by making links to quarter, half, and three-quarter turns.

More <u>Year 6 Properties of Shapes</u> resources.

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





Varied Fluency – Introduce Angles – Teaching Information



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Varied Fluency – Introduce Angles – Year 6 Developing



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Varied Fluency – Introduce Angles – Year 6 Expected



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Varied Fluency – Introduce Angles – Year 6 Greater Depth

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Developing

1a. B

2a. 90°

3a. True.

4a. East

Expected

5a. 5 6a. Quarter turn; 180° 7a. False. It is approximately 165° 8a. East

Greater Depth

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9a. 5 10a. 90°; quarter turn Straight line; half turn Three right angles; 270° 11a. Less (35° + 25° = 60°) 12a. North west

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Developing 1b. A 2b. Half turn 3b. False. It is approximately 100°. 4b. North

Expected 5b. 4 6b. Three-quarter turn; 90° 7b. True. 8b. East

<u>Greater Depth</u> 9b. 6 10b. Three right angles; three-quarter turn 180°; half turn Right angle; 90° 11b. More (40° + 65° = 105°) 12b. South west



Varied Fluency – Introduce Angles ANSWERS