Varied Fluency Step 3: Calculate Angles

National Curriculum Objectives:

Mathematics Year 6: (6G4b) <u>Recognise angles where they meet at a point, are on a</u> straight line, or are vertically opposite, and find missing angles

Differentiation:

Developing Questions to support calculating right angles and angles on a straight line; one missing angle to calculate. Angles given in multiples of 10.

Expected Questions to support calculating right angles, angles on a straight line and angles around a point; up to two missing angles to calculate. Angles given in multiples of 5.

Greater Depth Questions to support calculating right angles, angles on a straight line and angles around a point; two or more missing angles to calculate. Angles given in one degree increments.

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

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Varied Fluency – Calculate Angles – Teaching Information



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Varied Fluency – Calculate Angles – Year 6 Developing



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Varied Fluency – Calculate Angles – Year 6 Expected



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Varied Fluency – Calculate Angles – Year 6 Greater Depth

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Developing

1a. B 2a. 50° 3a. 60° 4a. False. 70° + 30° = 100°

Expected

5a. C 6a. 35° 7a. 180° 8a. False. 75° + 35° + 80° = 190°

Greater Depth

9a. B and D 10a. 237° 11a. 83° 12a. False. 136° + 56° + 158° = 350°

<u>Developing</u> 1b. A 2b. 70° 3b. 160° 4b. True <u>Expected</u> 5b. A 6b. 65° 7b. 150° 8b. True

<u>Greater Depth</u>

9b. A and D 10b. 169° 11b. 150° 12b. True. 79° + 126° + 155° = 360°



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Varied Fluency – Calculate Angles ANSWERS