# Varied Fluency Step 2: Compare and Order Angles

### **National Curriculum Objectives:**

Mathematics Year 4: (4G4) <u>Identify acute and obtuse angles and compare and order</u> angles up to two right angles by size

Mathematics Year 4: (4G2a) <u>Compare and classify geometric shapes, including</u> quadrilaterals and triangles, based on their properties and sizes

#### Differentiation:

Developing Questions to support comparing and ordering angles. Up to 3 angles per question, presented on a horizontal base line.

Expected Questions to support comparing and ordering angles. Up to 4 angles per question. All angles including a horizontal or vertical side.

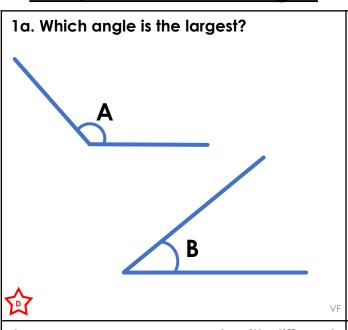
Greater Depth Questions to support comparing and ordering angles. Up to 4 angles per questions. Angles in any orientation.

More <u>Year 4 Properties of Shape</u> resources.

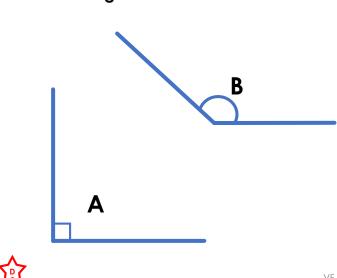
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## **Compare and Order Angles**

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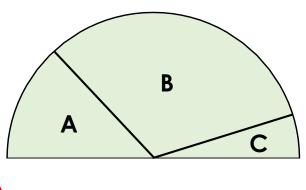


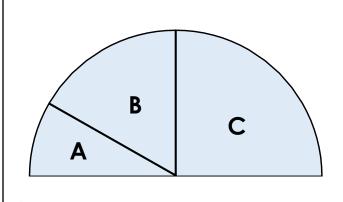
1b. Which angle is the smallest?



2a. Here are some segments with different sized angles at their points. Put the angles in order from largest to smallest.

2b. Here are some segments with different sized angles at their points. Put the angles in order from smallest to largest.

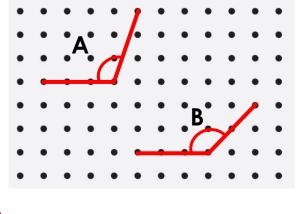


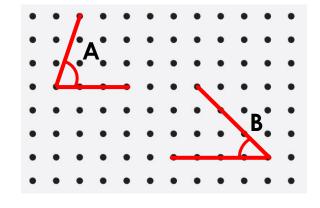


angle B.

3a. True or false? Angle A is smaller than

3b. True or false? Angle B is larger than angle A.





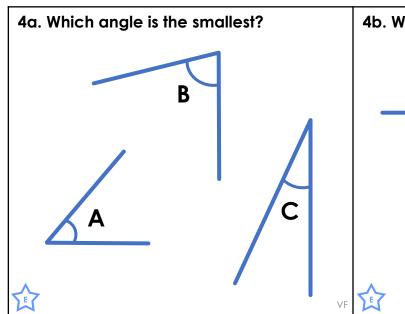


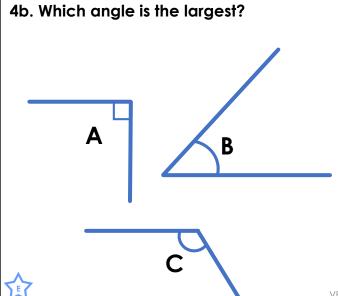


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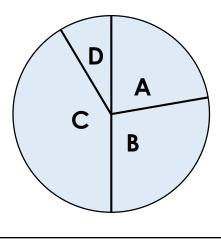
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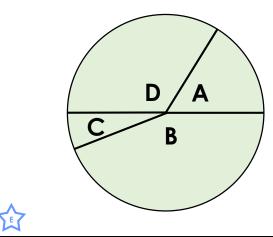




5a. Here are some segments with different sized angles at their points. Put the angles in order from smallest to largest.

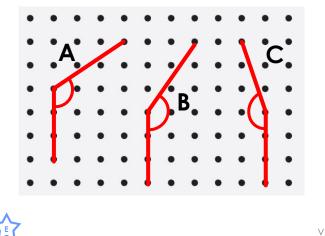
5b. Here are some segments with different sized angles at their points. Put the angles in order from largest to smallest.

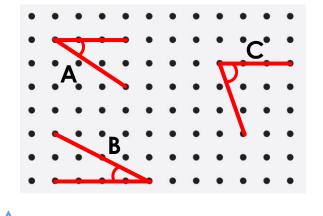




6a. True or false? Angle A is smaller than angle B, which is larger than angle C.

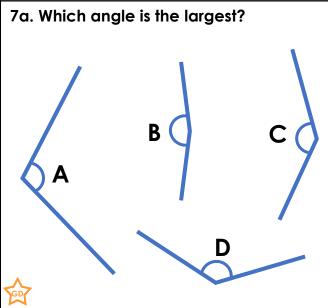
6b. True or false? Angle A is larger than angle B, which is smaller than angle C.





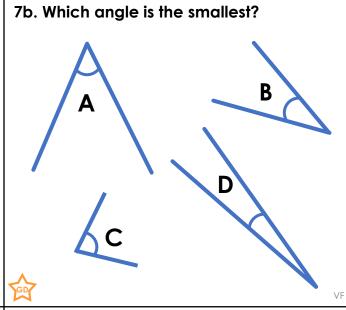
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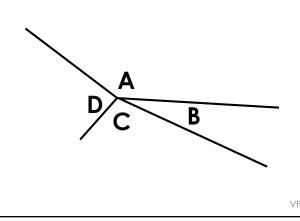


8a. Here are some segments with different sized angles at their points. Put the angles

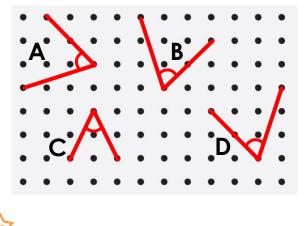
in order from largest to smallest.



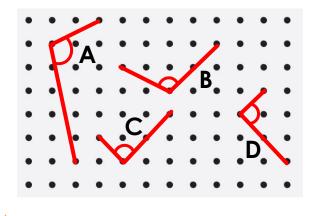
8b. Here are some segments with different sized angles at their points. Put the angles in order from smallest to largest.



9a. True or false? Angle A is the same size as angles B and D, which are bigger than angle C.



9b. True or false? Angles A and B are the same size. They are larger than angle C but smaller than angle D.





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#### <u>Developing</u>

1a. A

2a. B, A, C

3a. True

#### **Expected**

4a. C

5a. D, A, B, C

6a. False (Angle A is smaller than angle B,

which is smaller than angle C).

#### **Greater Depth**

7a. B

8a. A, C, D, B

9a. True

#### **Developing**

1b. A

2b. A, B, C

3b. False, A is larger than B.

#### **Expected**

4b. C

5b. B, D, A, C

6b. True

#### **Greater Depth**

7b. D

8b. C, B, D, A

9b. False (Angle B is larger than Angle A. They are both larger than angles C and D).

