

Varied Fluency

Step 3: Compare Angles

National Curriculum Objectives:

Mathematics Year 3: (3G4a) [Recognise that angles are a property of a shape or a description of a turn](#)

Mathematics Year 3: (3G4b) [Identify right angles, recognise that two right angles make a half turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle.](#)

Differentiation:

Developing Questions to support identifying, measuring and comparing angles which are greater or less than a right angle as being 'obtuse' or 'acute' in shapes and turns with regular shapes and horizontal/vertical lines.

Expected Questions to support identifying, measuring and comparing angles which are greater or less than a right angle as being 'obtuse' or 'acute' in shapes and turns with some irregular shapes.

Greater Depth Questions to support identifying, measuring and comparing angles which are greater or less than a right angle as being 'obtuse' or 'acute' in shapes and turns with irregular shapes and diagonal or unusual starting points.

[More resources](#) which follow the same small steps as White Rose.

Did you like this resource? Don't forget to [review](#) it on our website.

Varied Fluency – Compare Angles

1a. Label each of these angles as either obtuse or acute.



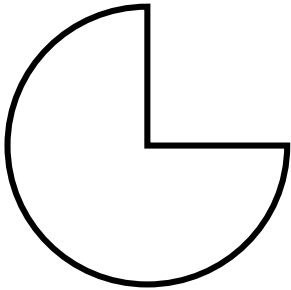
VF

1b. Label each of these angles as either obtuse or acute.



VF

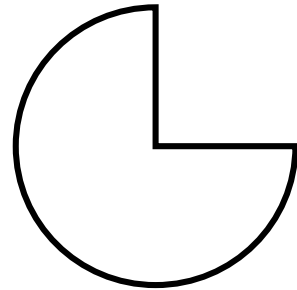
2a. Draw three acute angles.



90 degree angle cut out given for reference.

VF

2b. Draw three obtuse angles.



90 degree angle cut out given for reference.

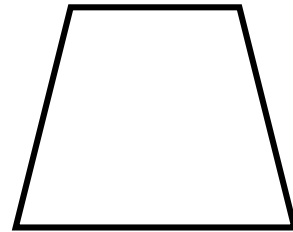
VF

3a. Label all the angles in this shape as acute, right-angle or obtuse.



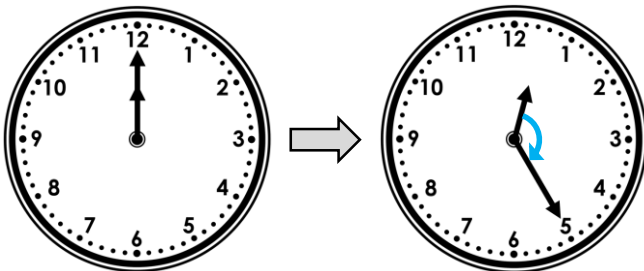
VF

3b. Label all the angles in this shape as acute, right-angle or obtuse.



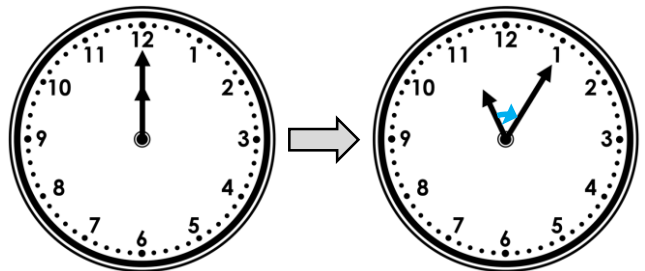
VF

4a. Have these clock hands changed to have an acute or obtuse angle between them?



VF

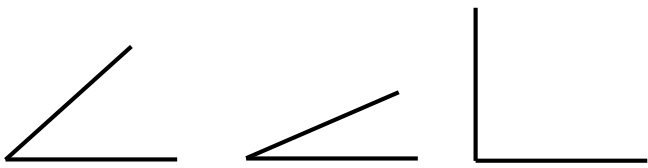
4b. Have these clock hands changed to have an acute or obtuse angle between them?



VF

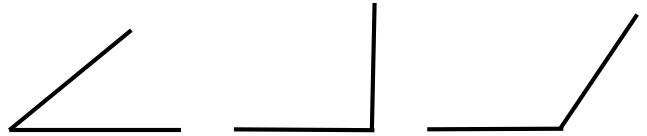
Varied Fluency – Compare Angles

5a. Label each of these angles as either obtuse, acute or right-angle.



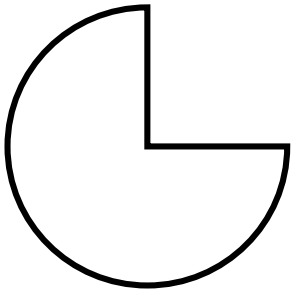
VF

5b. Label each of these angles as either obtuse, acute or right-angle.



VF

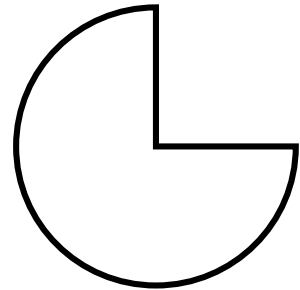
6a. Draw 4 acute angles.



90 degree angle cut out given for reference.

VF

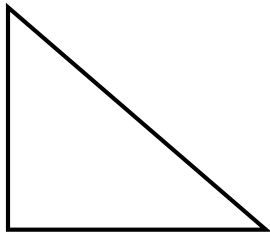
6b. Draw four obtuse angles.



90 degree angle cut out given for reference.

VF

7a. Label all the angles in this shape as obtuse, acute or right-angle.



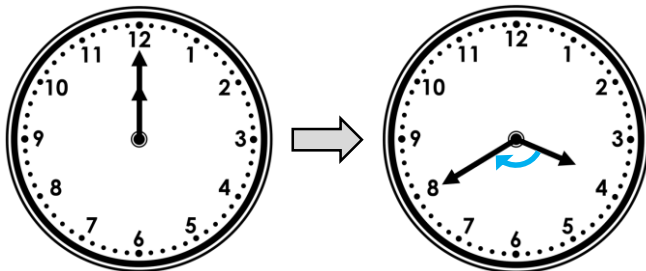
VF

7b. Label all the angles in this shape as obtuse, acute or right-angle.



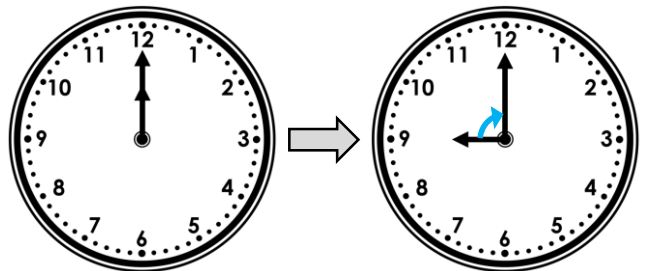
VF

8a. Have these clock hands changed to have an acute, obtuse or right-angle between them?



VF

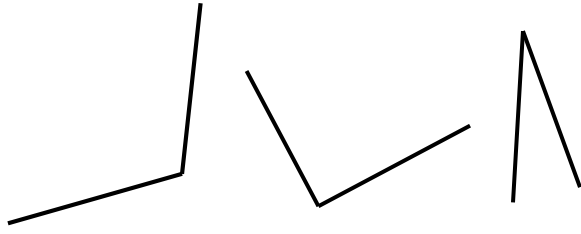
8b. Have these clock hands changed to have an acute, obtuse or right-angle between them?



VF

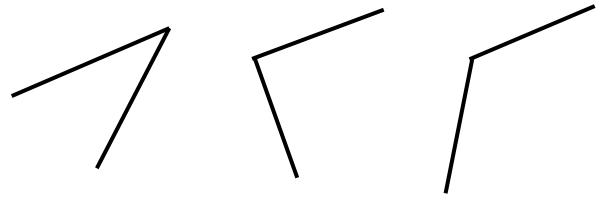
Varied Fluency – Compare Angles

9a. Label each of these angles as either obtuse, acute or right-angle.



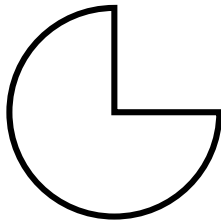
VF

9b. Label each of these angles as either obtuse, acute or right-angle.



VF

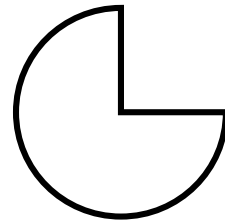
10a. Draw 4 acute angles. Try to draw all four angles facing different directions.



90 degree angle cut out given for reference.

VF

10b. Draw 4 obtuse angles. Try to draw all four angles facing different directions.



90 degree angle cut out given for reference.

VF

11a. Label all the angles in these shapes as acute, right-angle or obtuse.



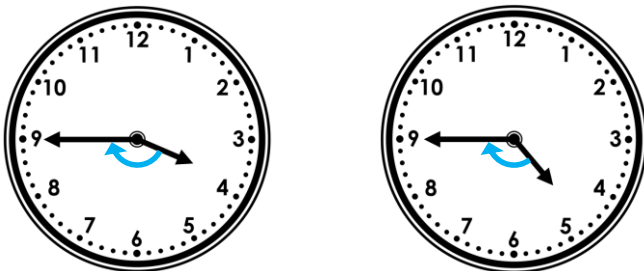
VF

11b. Label all the angles in these shapes as acute, right-angle or obtuse.



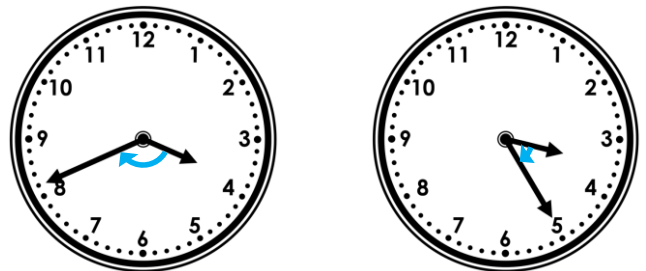
VF

12a. Is the angle between the hour and minute hands on these clocks acute, obtuse or a right-angle?



VF

12b. Is the angle between the hour and minute hands on these clocks acute, obtuse or a right-angle?



VF

Varied Fluency – Compare Angles

Developing

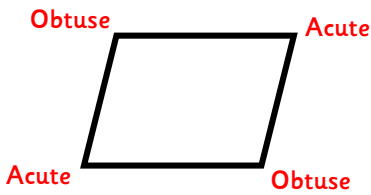
1a. **Obtuse, acute**

1b. **Acute, obtuse**

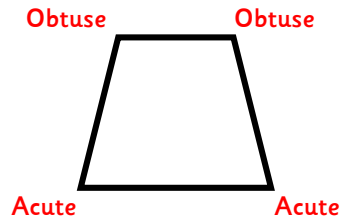
2a. **Accept any 3 angles which are less than 90 degrees.**

2b. **Accept any 3 angles which are more than 90 degrees.**

3a.



3b.



4a. **Obtuse**

4b. **Acute**

Expected

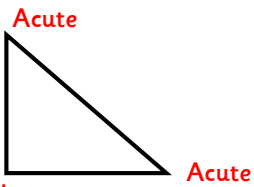
5a. **Acute, acute, right-angle**

5b. **Acute, right-angle, obtuse**

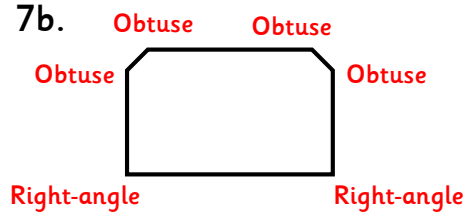
6a. **Accept any 4 angles which are less than 90 degrees.**

6b. **Accept any 4 angles which are more than 90 degrees.**

7a.



7b.



8a. **Obtuse**

8b. **Right-angle**

Greater Depth

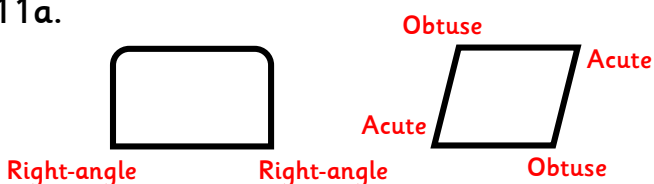
9a. **Obtuse, right-angle, acute**

9b. **Acute, right-angle, obtuse**

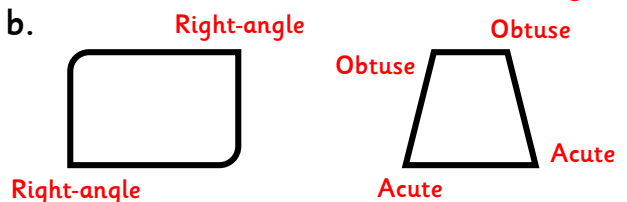
10a. **Accept any 4 angles facing differing directions which are less than 90 degrees.**

10b. **Accept any 4 angles facing differing directions which are more than 90 degrees.**

11a.



11b.



12a. **Obtuse, obtuse**

12b. **Obtuse, acute**