Diving into Mastery

Compare Angles

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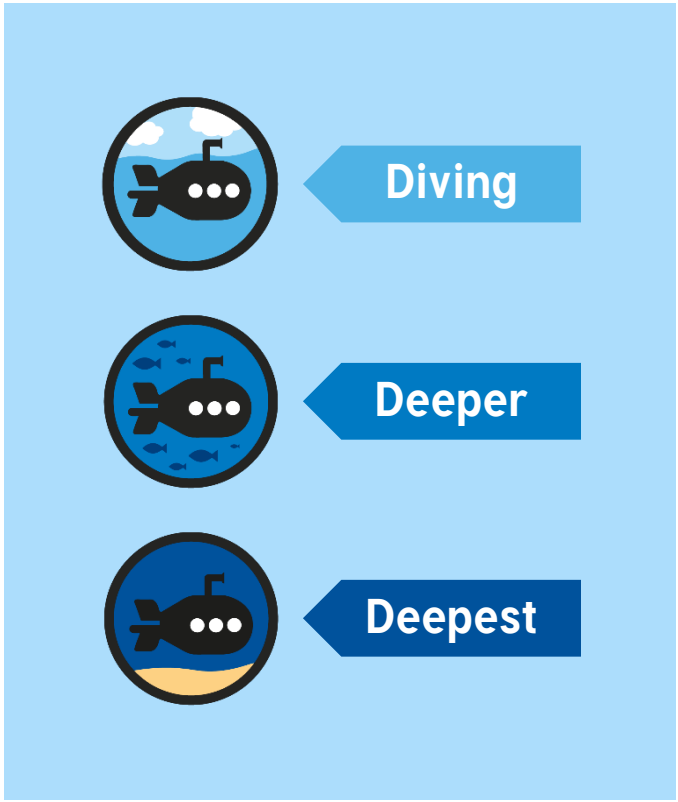
Quality Standard Approved

Diving into Mastery Guidance for Educators

Each activity sheet is split into three sections, diving, deeper and deepest, which are represented by the following icons:



These carefully designed activities take your children through a learning journey, initially ensuring they are fluent with the key concept being taught; then applying this to a range of reasoning and problem-solving activities.

These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section and in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are applying this to show their depth of understanding.

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National Curriculum Objective(s)

- 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.

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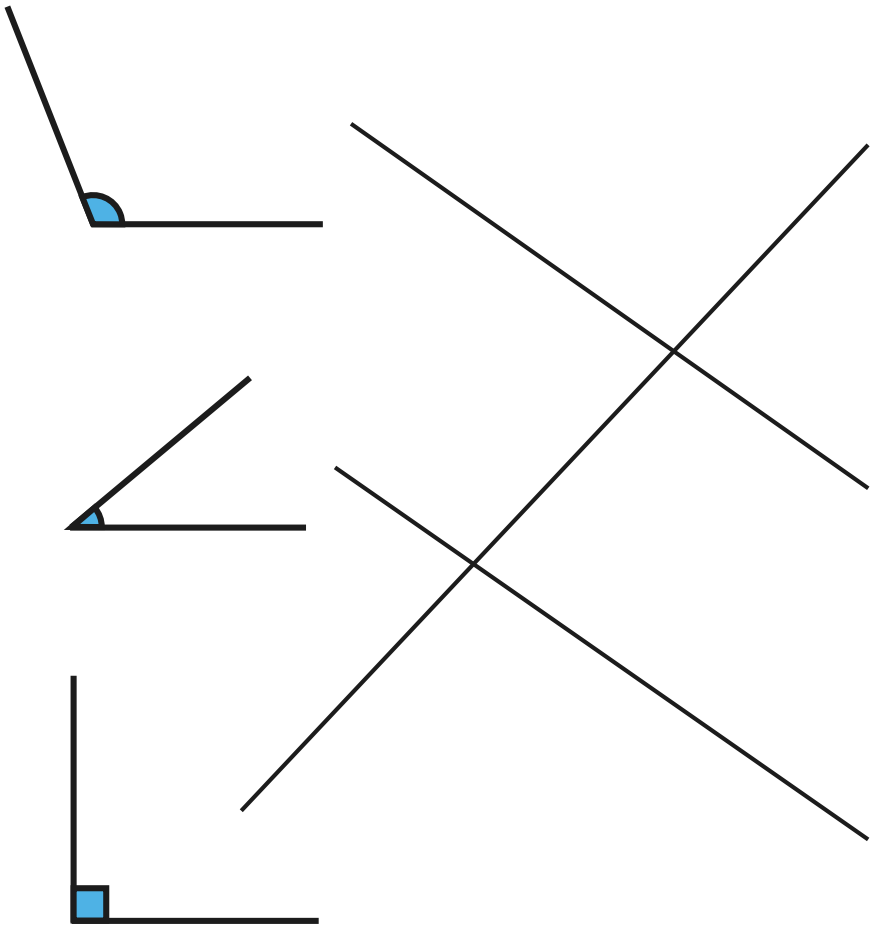
Compare Angles | **Diving**

Click on these angles (the blue part!) to match with their descriptions.



A right angle is 90 degrees, or a quarter turn.

An angle bigger than a right angle, but not a straight line or half turn (90-179 degrees) is called an **obtuse** angle.

An angle smaller than a right angle (less than 90 degrees) is called an **acute** angle.

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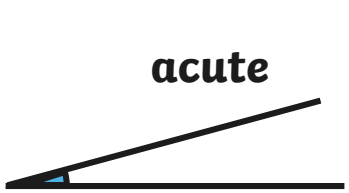
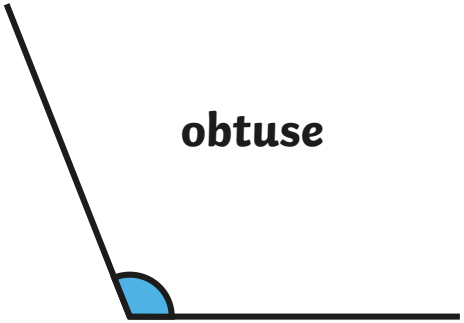
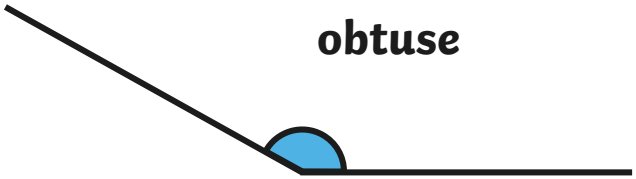
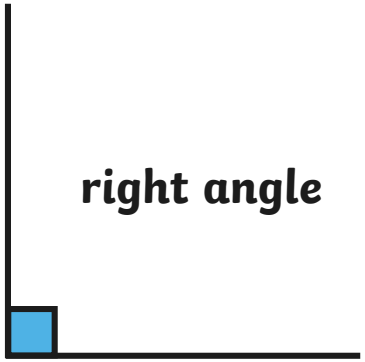
Compare Angles | **Diving**

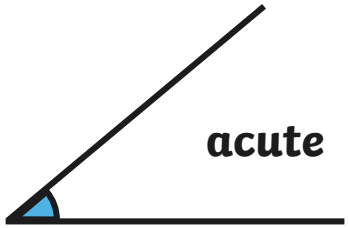
Can you tell if these angles are acute, obtuse or right angles?











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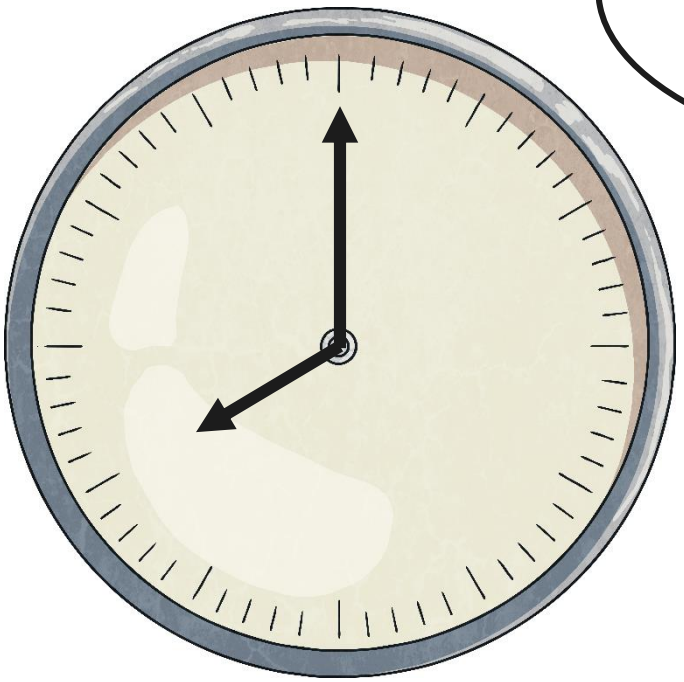
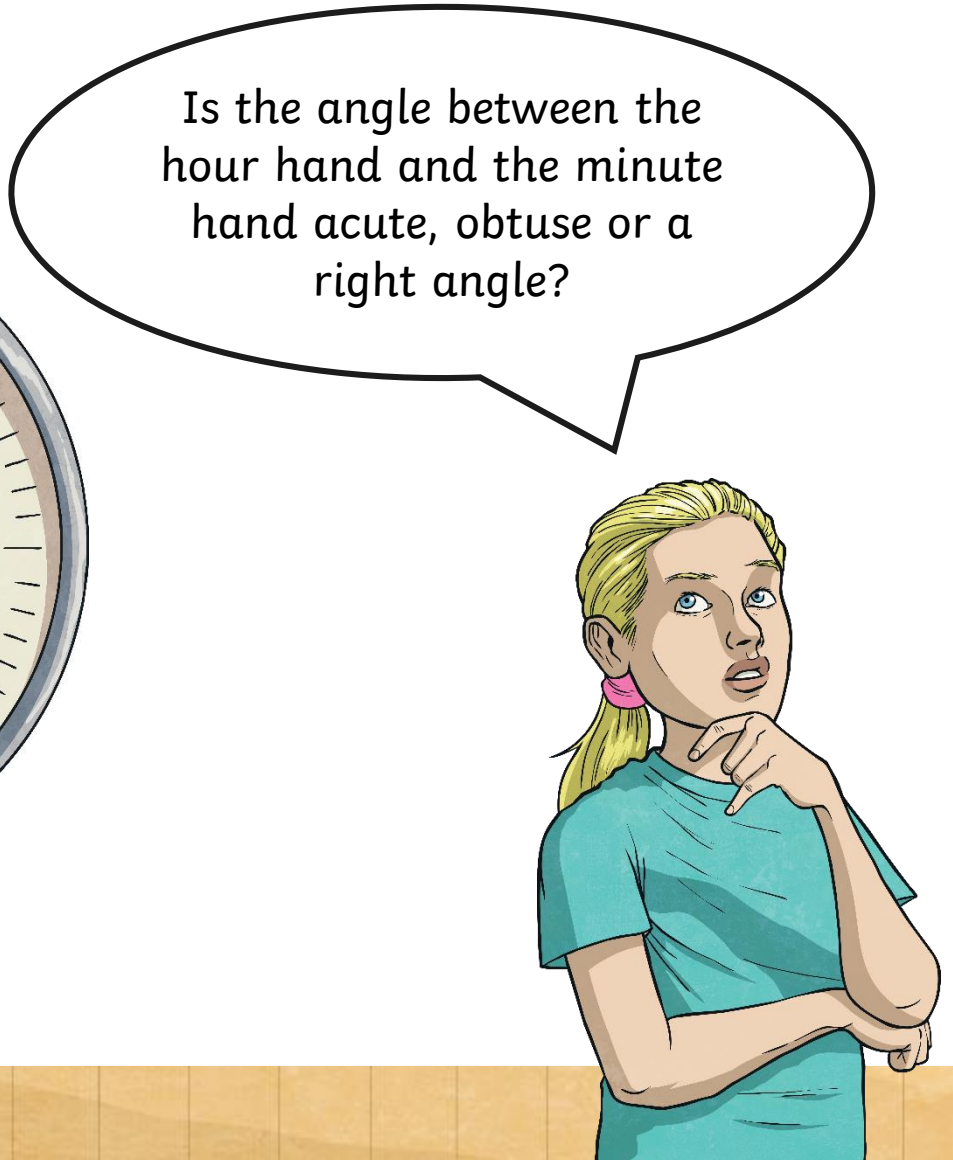
Compare Angles | **Deeper**

Look at this clock face.





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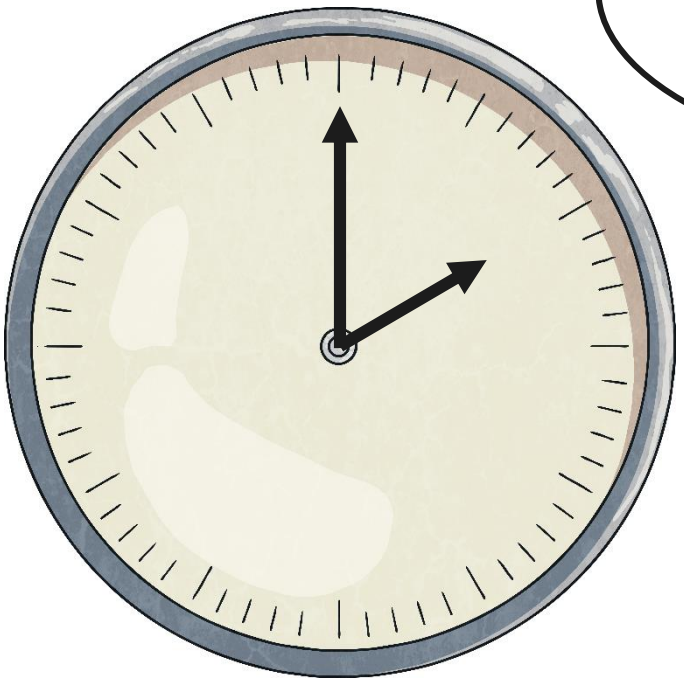
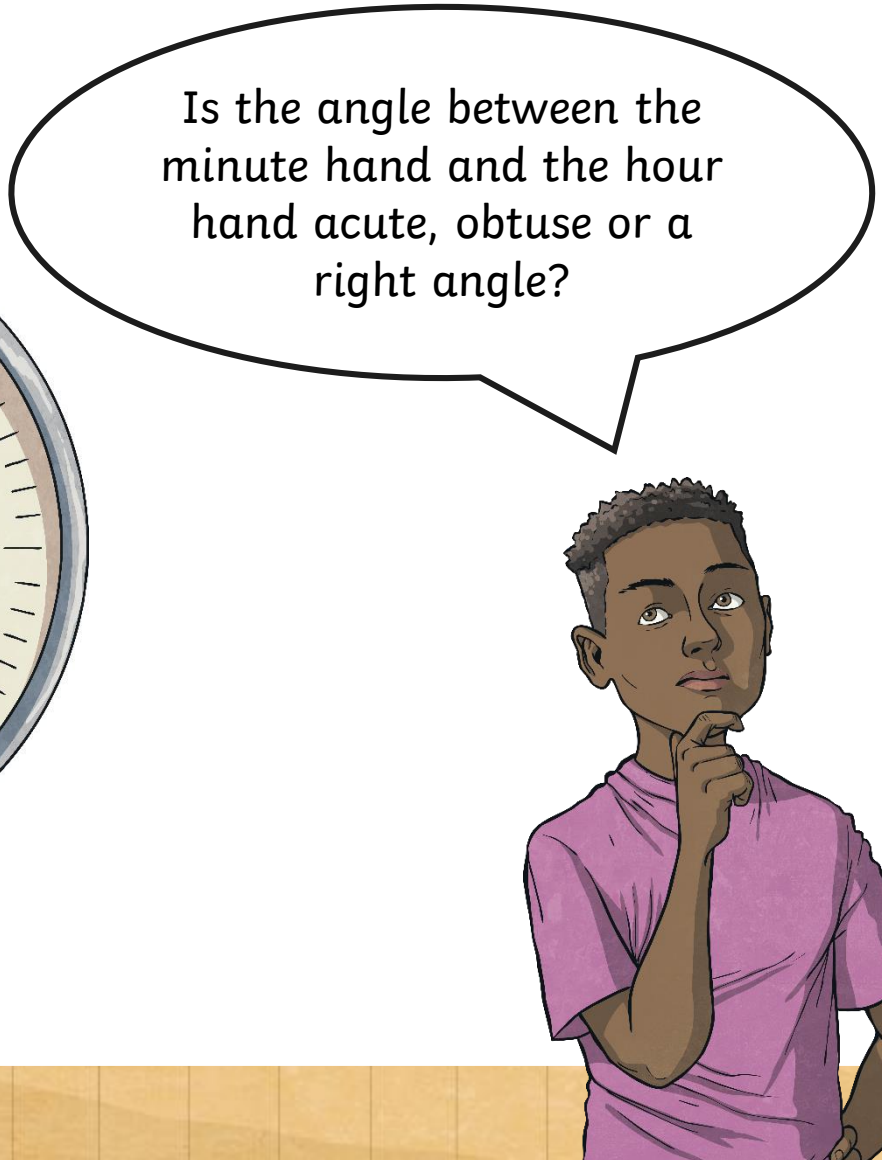
Compare Angles | **Deeper**

Look at this clock face.





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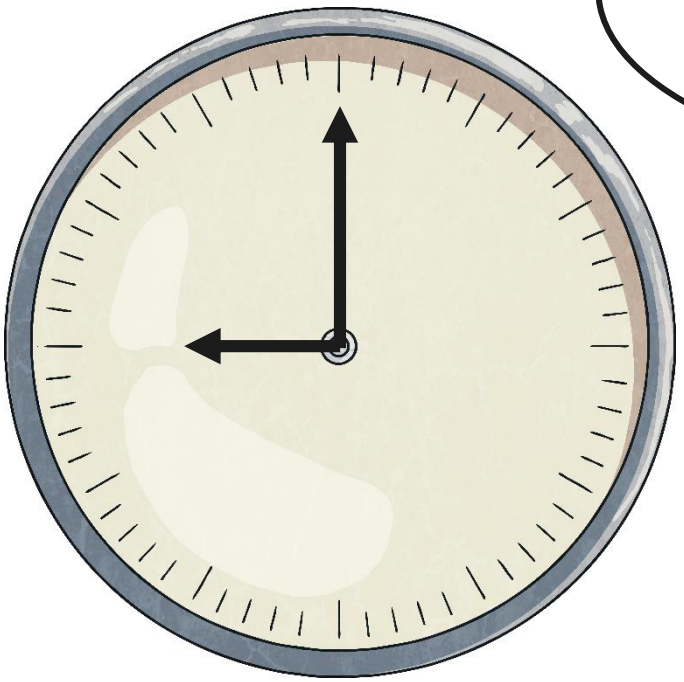
Compare Angles | **Deeper**

Look at this clock face.



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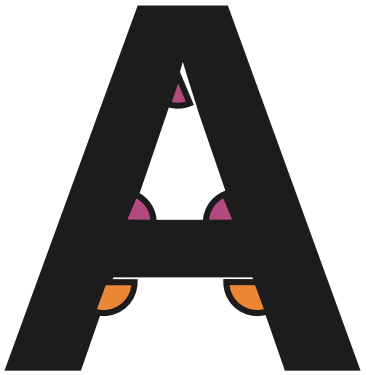
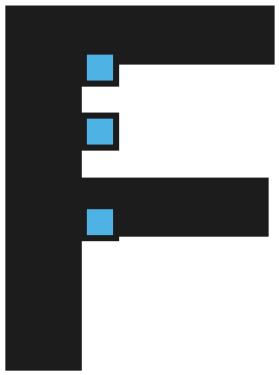
Compare Angles **Deeper**

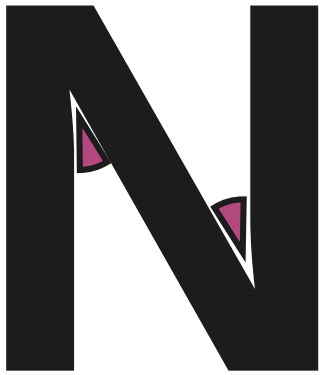
Look at these letters. Can you see any acute, obtuse or right angles where the lines meet?



obtuse and acute angles



right angles



acute angles

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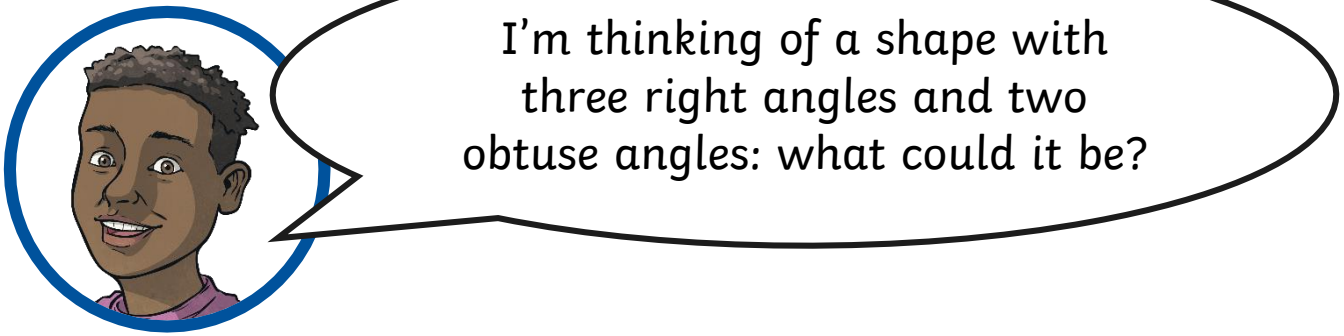
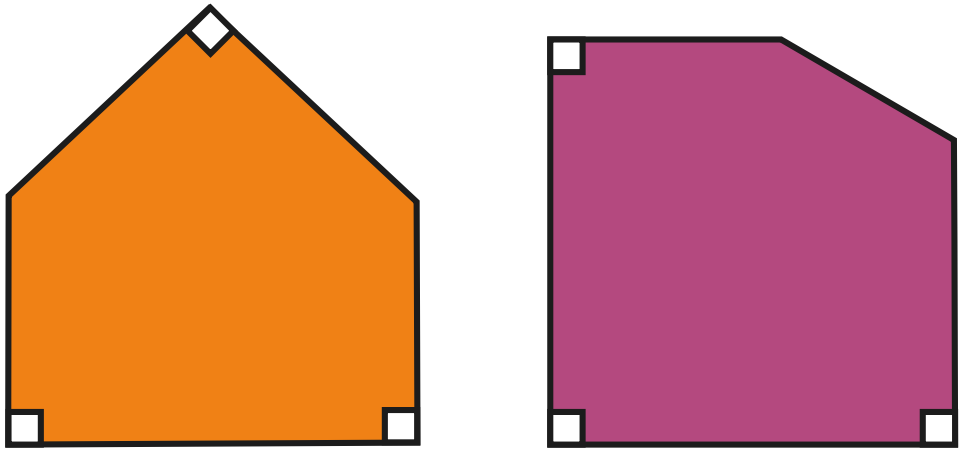
Compare Angles | **Deepest**

We can follow instructions about angles to draw shapes.





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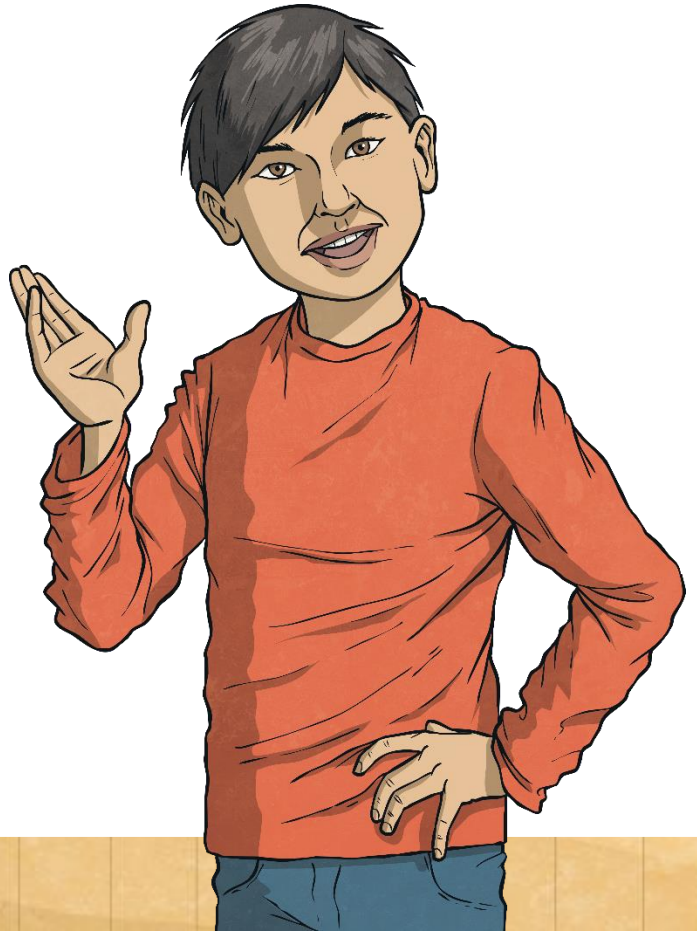
Compare Angles **Deepest**

Which of these statements are correct?

- This shape is a quadrilateral so it must have four right angles.
- This shape has two obtuse angles. ✓
- This shape has two right angles.
- This shape has two acute angles. ✓



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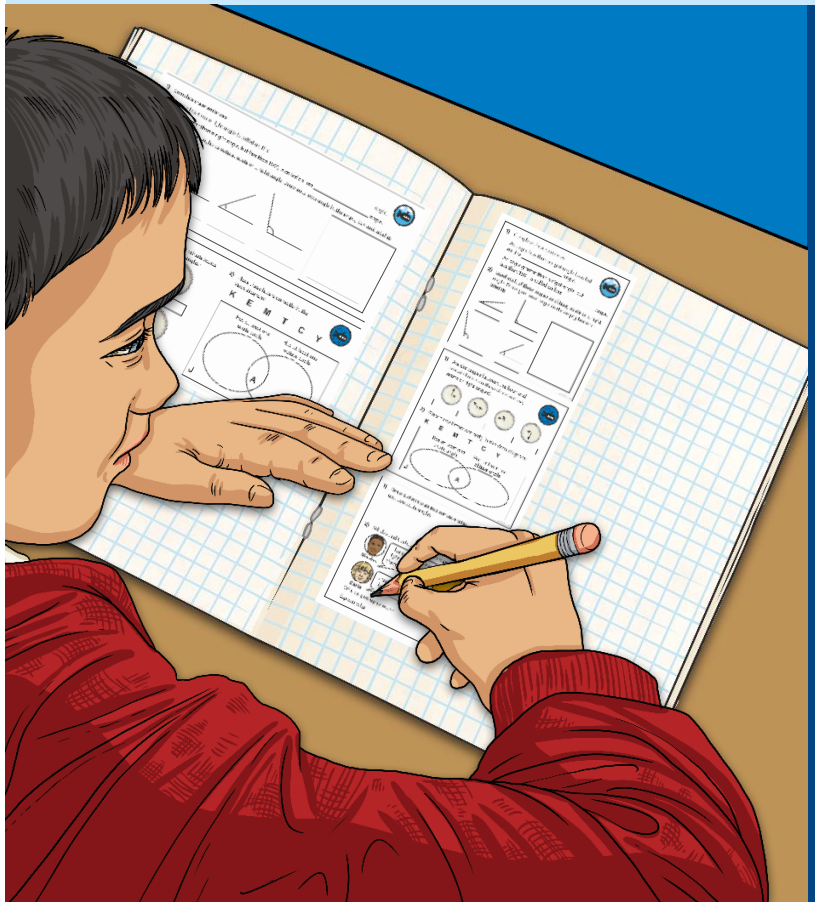
Compare Angles

Dive in by completing your own activity!



1) Complete these sentences:

An angle less than a right angle is called an line _____ angle.

An angle greater than a right angle, but less than 180°, is called an line _____ angle.

2) Label each of these angles as obtuse, acute or a right angle. Draw your own angle in the empty box and label it:

1) Are the angles between the hour and minute hands on these clocks obtuse, acute or right angles?

2) Place these letters correctly in the Venn diagram:

K E M T C Y

Has at least one acute angle

Has at least one obtuse angle

A

J

1) Draw a shape with two obtuse angles and two acute angles.

2) Nikolas and Carla describe this shape differently:

Nikolas: This shape has four right angles. Two of them are curved.

Carla: This shape has two right angles.

Who do you agree with? _____

Explain why: _____

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