



Draw a square.

How many angles does it have?

What do you notice about the angles?

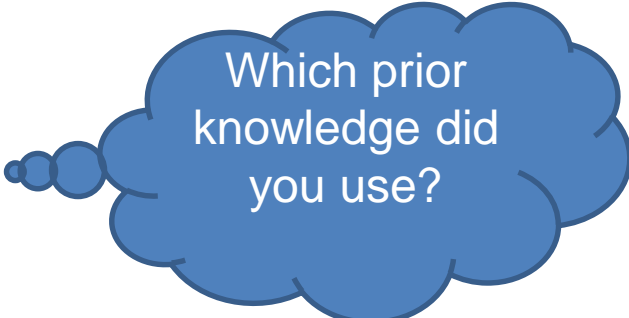
Do you know the name of this type of angle?

Draw a rhombus.

How many angles does it have?

What do you notice about the angles?

Do you know the name of the angles?

A blue thought bubble with a dark blue outline and a small tail pointing towards the bottom left.

Which prior
knowledge did
you use?

What is a rhombus?

A **Rhombus** is a flat shape with 4 equal straight sides. A **rhombus** looks like a diamond. All sides have equal length. Opposite sides are parallel, and opposite angles are equal.



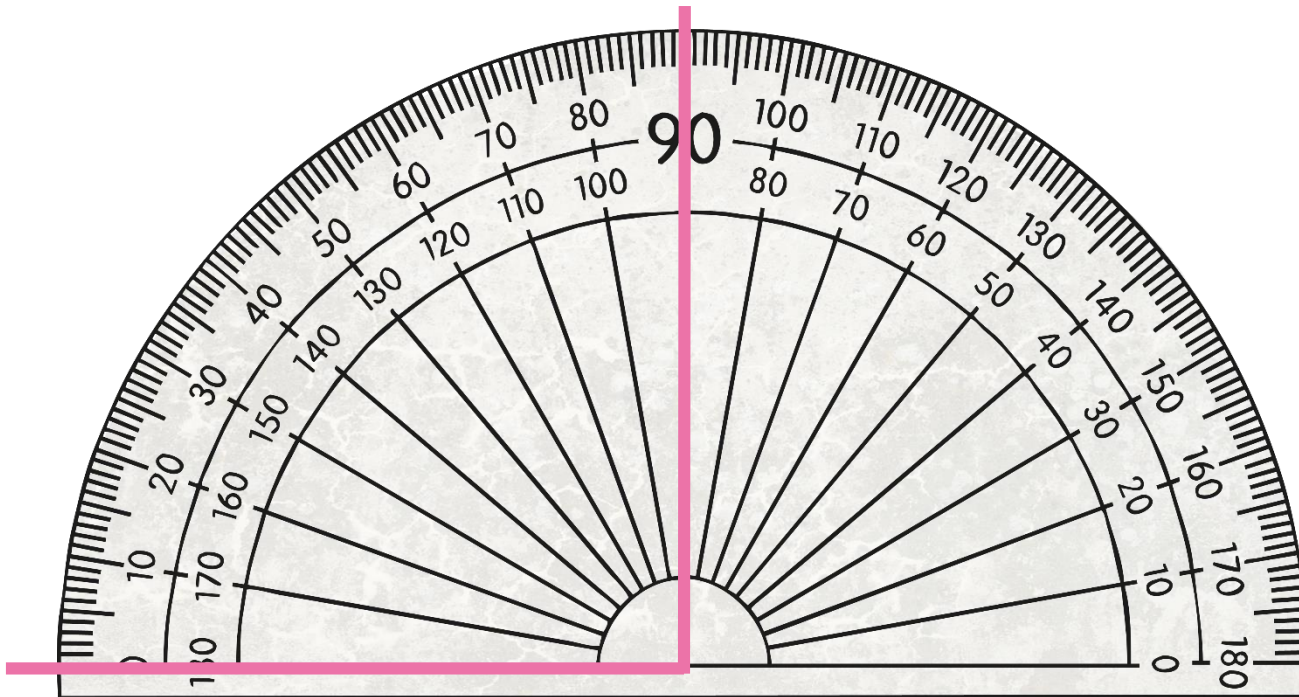
WALT: Recognise
different types of angles

What are angles
measured in?

Which different types of
angles have you heard
of?

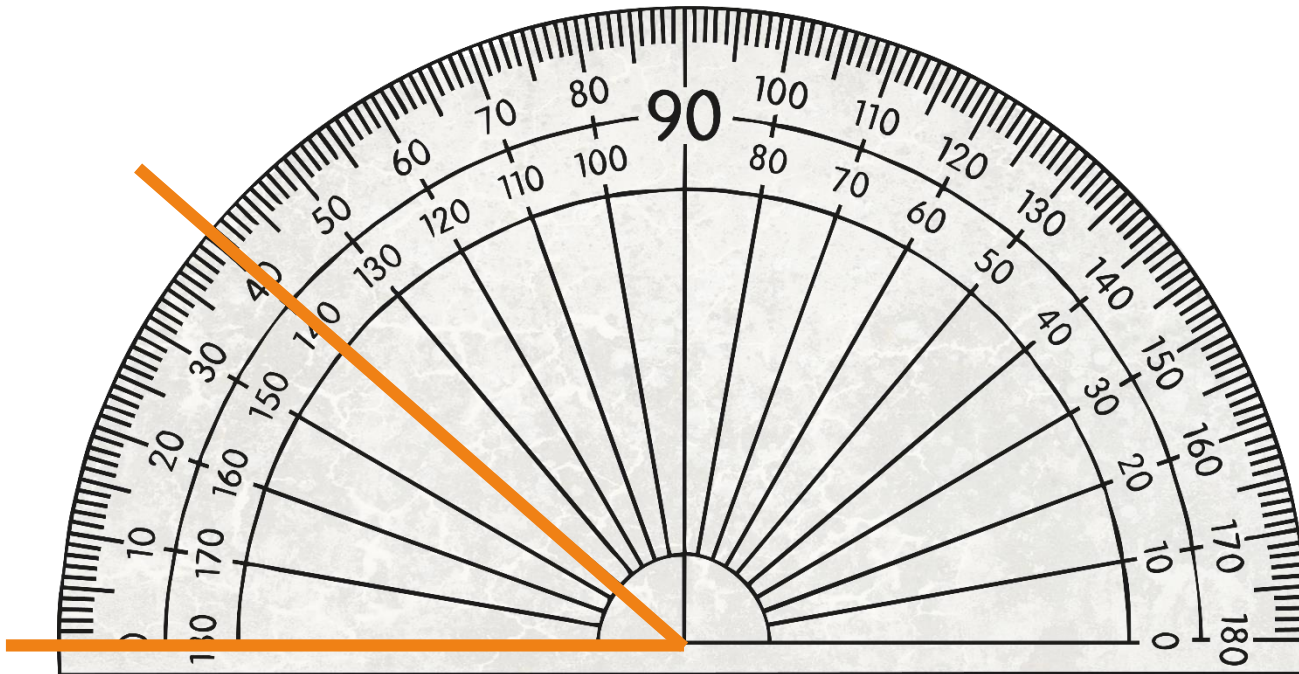
Right Angle

A right angle is 90° .



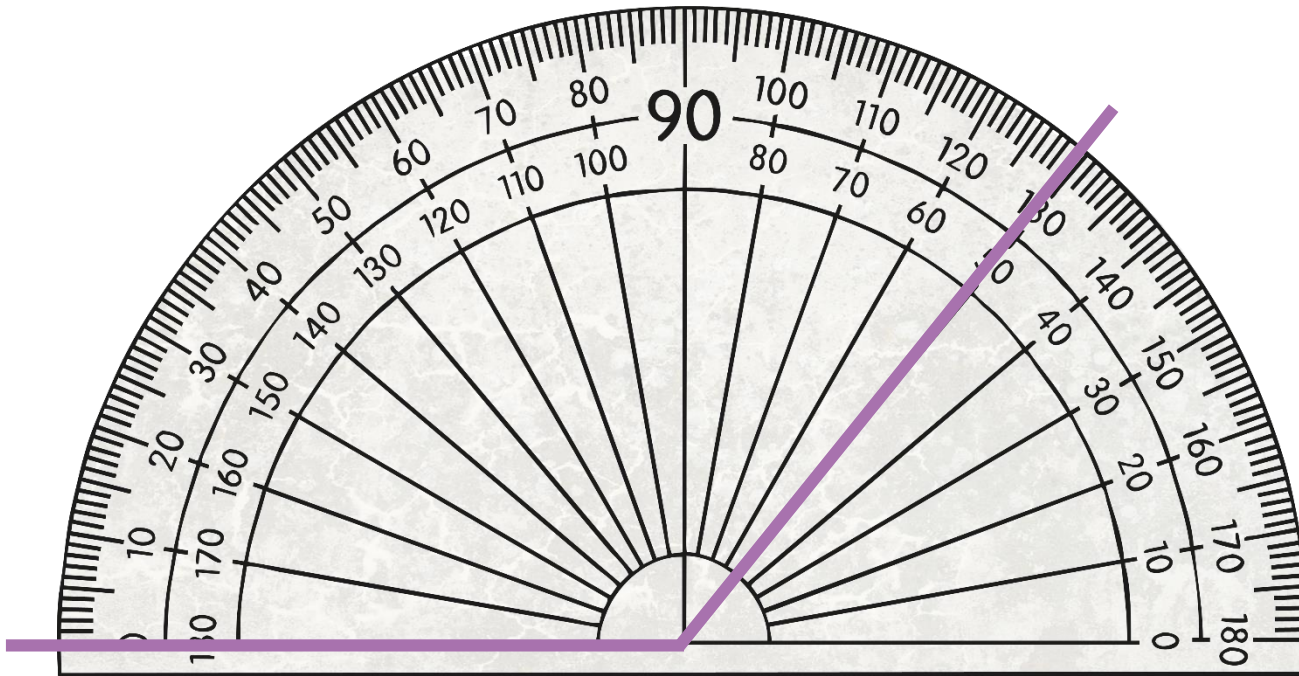
Acute Angle

An acute angle is less than 90° .



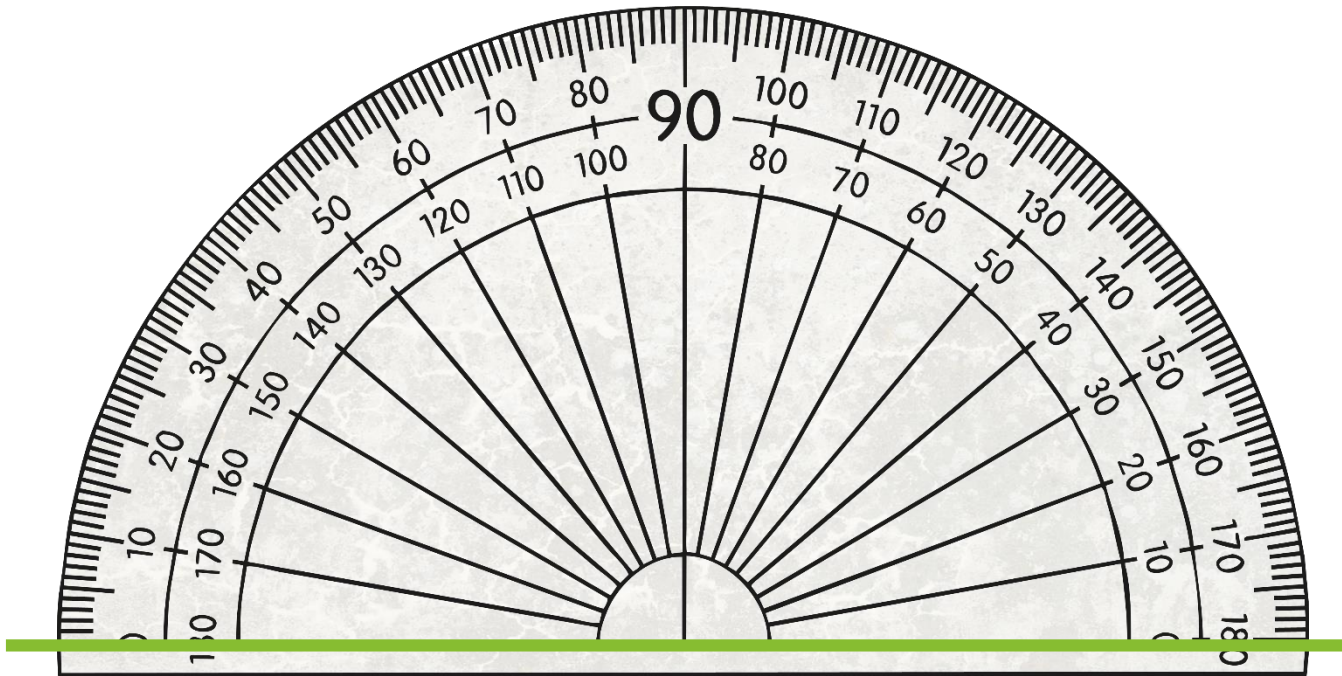
Obtuse Angle

An obtuse angle is more than 90° and less than 180° .



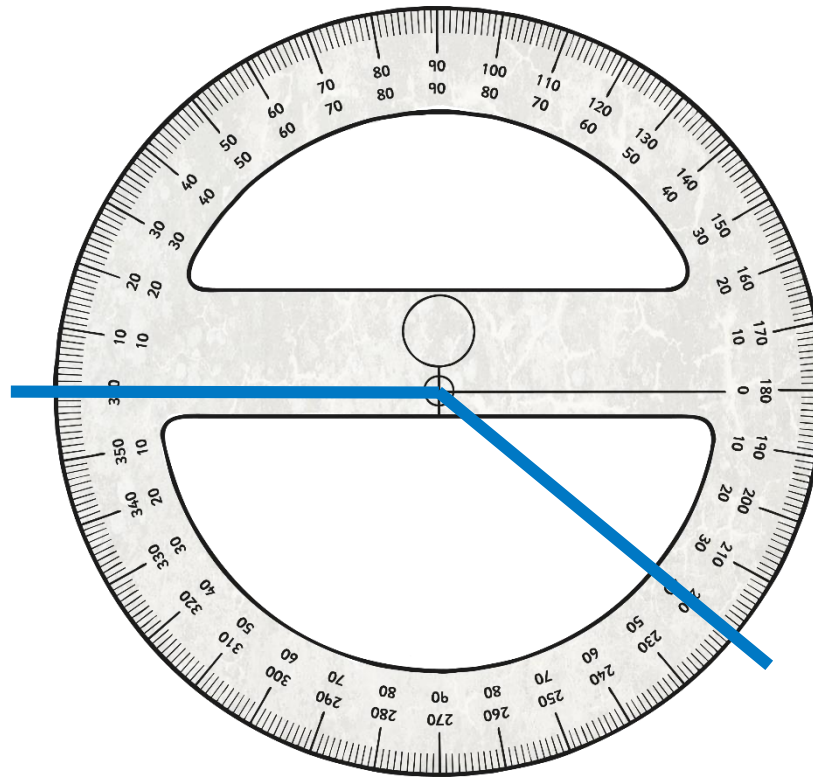
Straight Angle

A straight angle is exactly 180° .

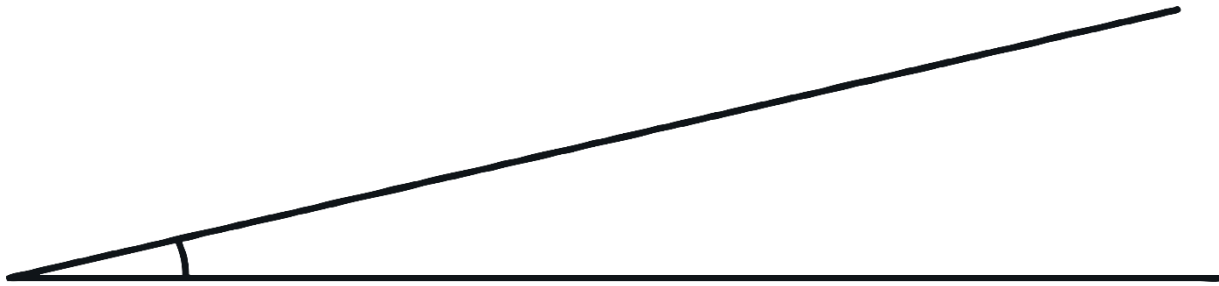


Reflex Angle

A reflex angle is greater than 180° and less than 360° .



What kind of angle is this?



~~Right~~

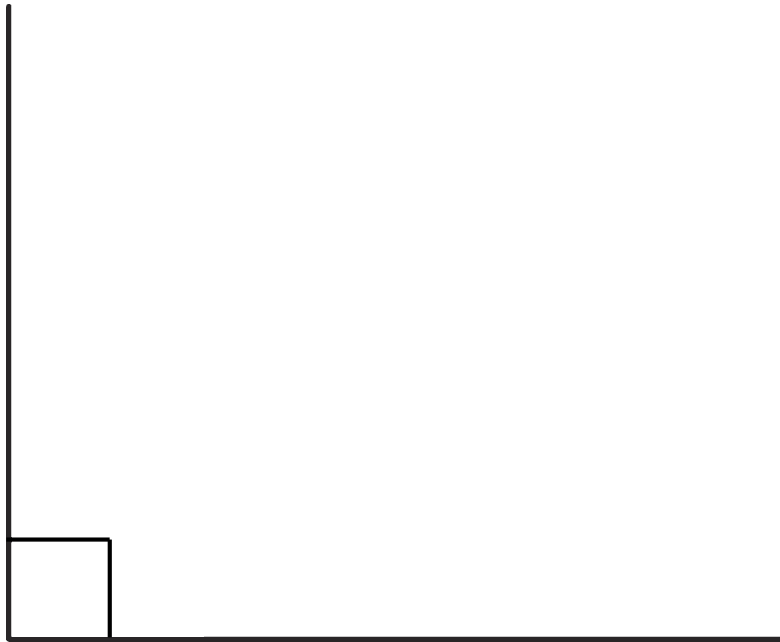
✓ Acute

~~Obtuse~~

~~Straight~~

~~Reflex~~

What kind of angle is this?



Right

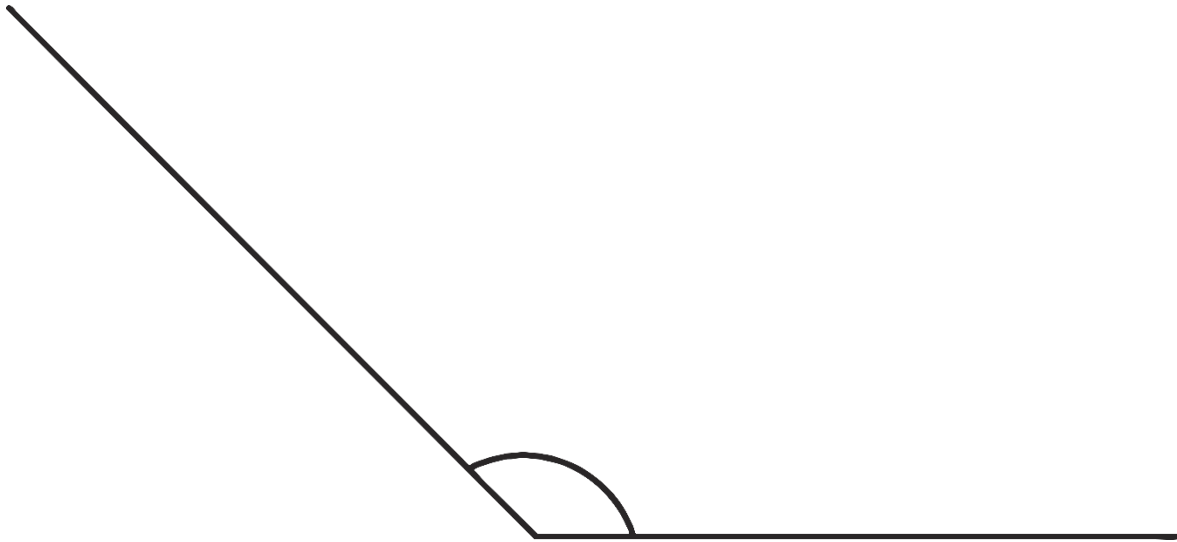
~~Acute~~

~~Obtuse~~

~~Straight~~

~~Reflex~~

What kind of angle is this?



~~Right~~

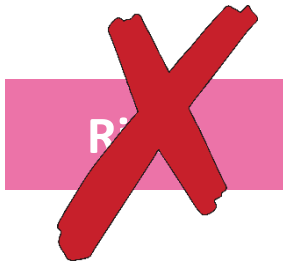
~~Acute~~

Obtuse

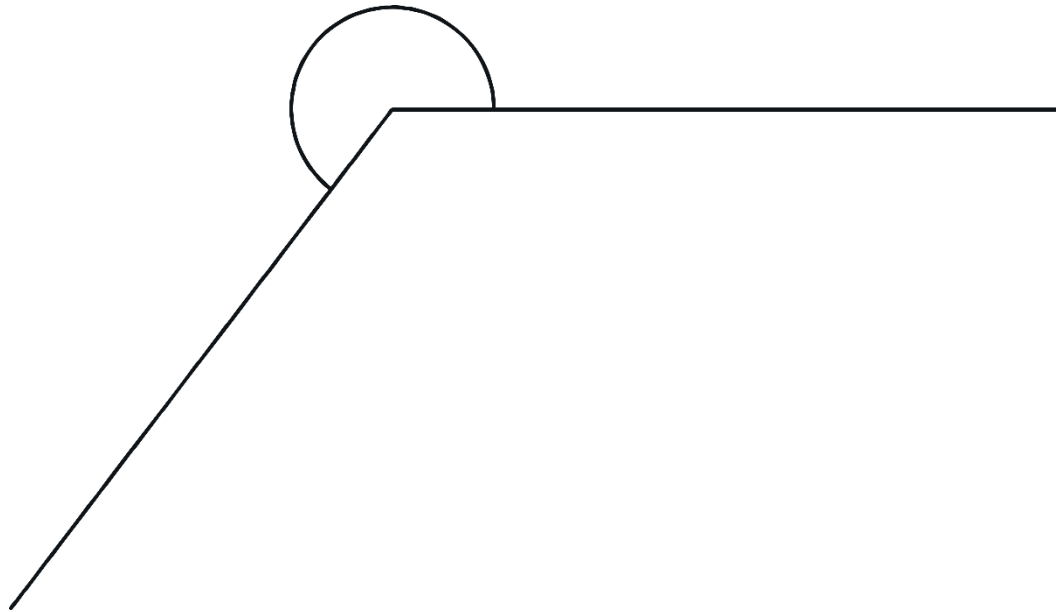
~~Straight~~

~~Reflex~~

What kind of angle is this?



What kind of angle is this?



~~Right~~

~~Acute~~

~~Obtuse~~

~~Straight~~

Reflex

Key Vocabulary

- Angles
- Degrees
- Right angle
- Acute angle
- Obtuse angle
- Reflex angle
- Protractor



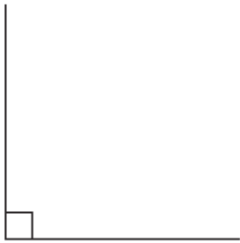
Add to the key vocabulary list as you use and apply your knowledge liked to different types of angles.

What would you include in a WAGOLL
for naming angles?

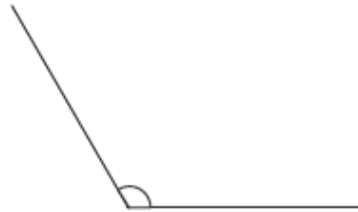
Fluency 1a

For questions 1 to 8, write the names of the type of angle.

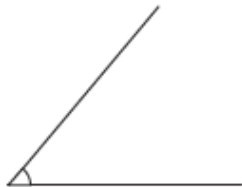
Look at these different angles:



Right Angle - a square 90° .



Obtuse Angle - is greater than a right angle but less than a straight line (as anything over 180° is a reflex angle).



Acute Angle - is smaller than a right angle.

Write the type of angle:

1.



3.



5.



7.



2.



4.



6.



8.



Fluency 1a ANSWERS

1. Acute angle
2. Obtuse angle
3. Right angle
4. Acute angle
5. Acute angle
6. Obtuse angle
7. Right angle
8. Acute angle









Fluency 1b

For questions 1 to 8, write the names of both of the types of angles and include the correct symbol to show if the first one is greater than, less than or equal to the second angle (there is an example below).










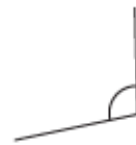
Acute, Obtuse or Right Angles

Insert one of the symbols below into each box and decide whether each angle is acute, obtuse or a right angle. The first one has been done for you.

<	>	=
---	---	---

e.g.			
	Acute	<	Right angle
1.			
2.			
3.			

Fluency 1b (continued)









4.			
5.			
6.			
7.			
8.			











Fluency 1b ANSWERS

Acute, Obtuse or Right Angles Answers

Insert one of the symbols below into each box and decide whether each angle is acute, obtuse or a right angle. The first one has been done for you.

<	>	=
---	---	---

e.g.			
	Acute	<	Right angle
1.			
	Right angle	<	Obtuse
2.			
	Obtuse	>	Acute
3.			
	Acute	<	Right angle

4.			
	Right angle	<	Obtuse
5.			
	Right angle	=	Right angle
6.			
	Obtuse	>	Obtuse
7.			
	Acute	<	Acute
8.			
	Acute	<	Obtuse

Reasoning and Problem Solving I

Write out the answers to the following questions in full sentences. Remember to include key vocabulary and a variety of sentence starters

1 Ayesha has measured an angle and says her answer is **45 degrees Celsius**. Is she correct? Explain your answer.

2 Next, she says that an obtuse angle is bigger than **90°**. Has she explained it fully? Explain your answer.

3 What is an angle of **90°** called?

4 Tom says, "An angle that is bigger than **90°** is acute." Is he correct? Explain your answer.

5 Bilal measures an angle that is acute. It is less than **45°** but more than **43°**. What angle has he measured?

6 What is the name of an angle that is bigger than **180°**?

7 Correct the following: Angles at a point measure **300°** in total.

8 Complete the sentence below:

Miss Heathcote made half a turn which is°

Reasoning and Problem Solving 2

Write out the answers to the following questions in full sentences. Remember to include key vocabulary and a variety of sentence starters.

1 Lola is going to measure an angle. She picks up a ruler. What mathematical instrument should she use to measure angles?

2 Is an angle of 70° acute, obtuse or reflex?

3 An angle that is more than 90° but less than 180° is called reflex. Is this statement correct? Explain your answer.

4 Sadia measures an angle of 90° . What is the name of the angle she has measured?

5 What is the name of an angle which is more than 180° but less than 360° ?

6 Sadia makes **one** full turn. How many **degrees** does she turn?

7 Tom measures **three** angles at a point on a straight line. What should the total number of **degrees** be?

8 Lola measures the following angles in a shape:

Angle 1 - 100° Angle 2 - 35° Angle 3 - 45°

For each angle, write whether it is acute, obtuse or reflex. What shape has Lola measured?

Reasoning and Problem Solving 1 and 2

ANSWERS

1

1) no; appropriate explanation 2) no; appropriate explanation 3) right angle
4) no; appropriate explanation 5) 44° 6) reflex 7) angles at a point measure 360°
8) 180°

2

1) protractor 2) acute 3) no; appropriate explanation 4) right angle 5) reflex
6) 360° 7) 180° 8) obtuse, acute, acute, triangle

Plenary

Use an emoji to show how well you have understood the WALT.



Look around the room you are in, and at the different objects in it, can you find any right angles, acute angles or obtuse angles? Create a table to show what you have found.

Right angles	Acute angles	Obtuse angles	Reflex angles
Book			



How many right angles can you see in the picture below? Create your own right angle piece of artwork.

