

# Monday 6<sup>th</sup> July – Properties of Shapes

This week we will be looking at shapes and their different properties. Today we will be looking at **ANGLES**.

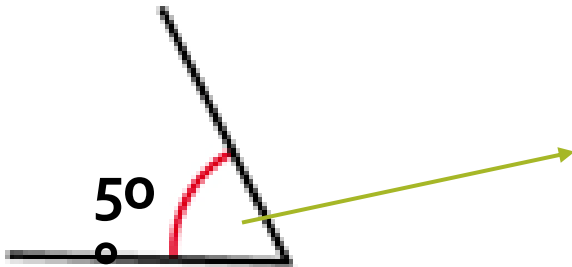
- By the end of this lesson you will know what the different names are for angles : acute, obtuse and right angles.
- You will also know how to identify them through looking at their shape.

# WORD BANK

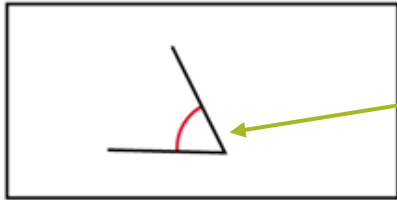
- Angles
- Right angle
- Acute angle
- Obtuse angle
- Degrees

# What is an angle of a shape?

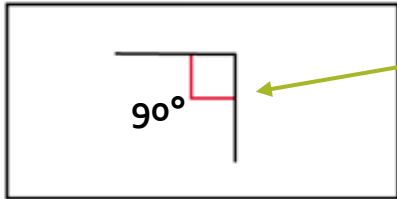
An **angle** is the space between two intersecting lines, that is measured by the degree they are at.



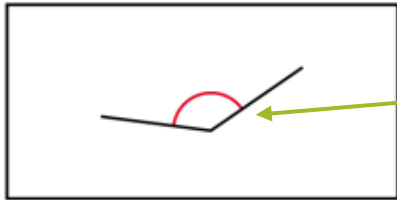
This is an **ANGLE**.  
Angles are measured in degrees.



**Acute** angles are less than  $90^\circ$ .



**Right** angles are  $90^\circ$ . Right angles are **ALWAYS**  $90^\circ$



**Obtuse** angles are more  $90^\circ$

## Identify angles

1 Complete the sentences.

Use the word bank to help you.

90

180

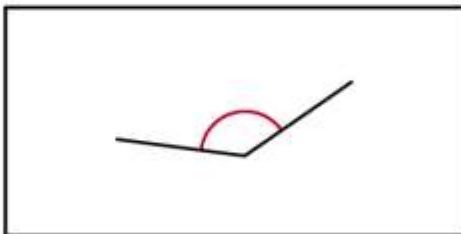
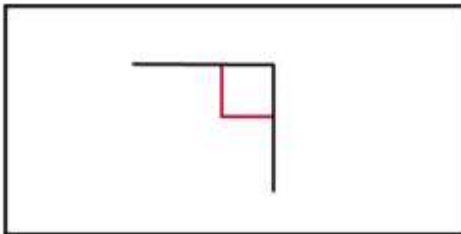
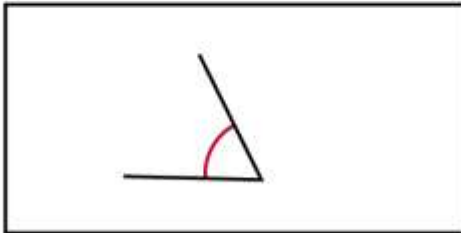
greater

less

- a) A right angle is  degrees.
- b) An acute angle is \_\_\_\_\_ than  degrees.
- c) An obtuse angle is \_\_\_\_\_ than  degrees  
but less than  degrees.

2

Match the angles to the labels.



right angle

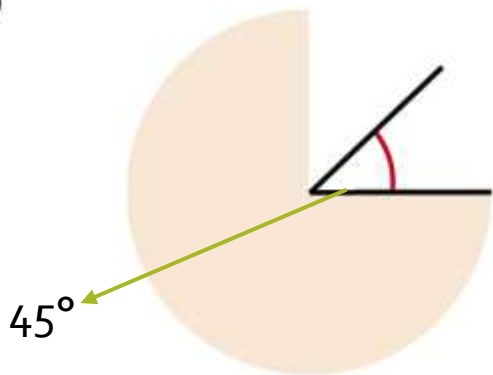
acute angle

obtuse angle

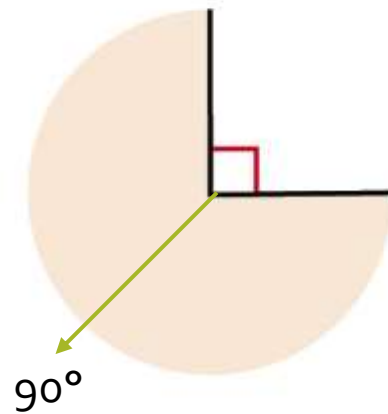


3 Label the angles: acute, obtuse or right angle.

a)

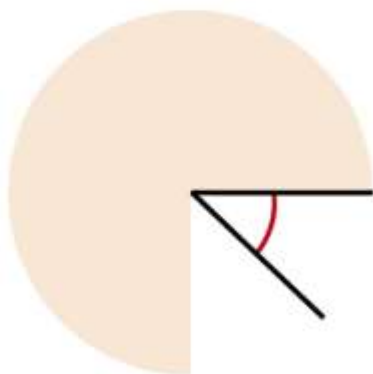


b)



3

c)



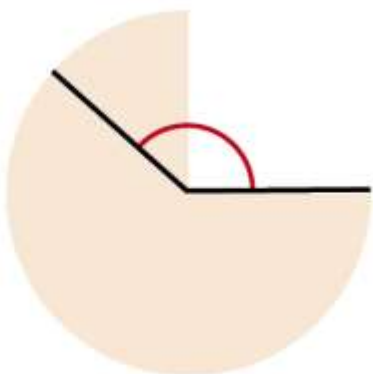
\_\_\_\_\_

e)



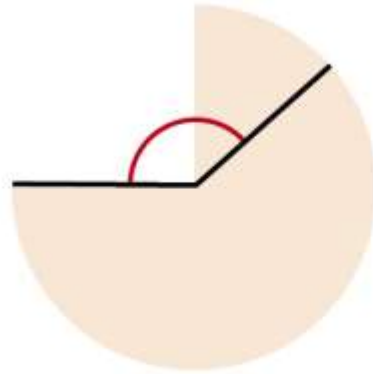
\_\_\_\_\_

d)



\_\_\_\_\_

f)

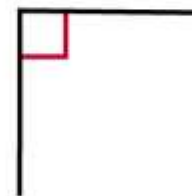


\_\_\_\_\_



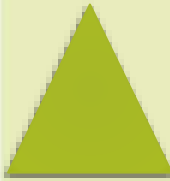


4 Tick all the acute angles.



5 Tick all the obtuse angles.





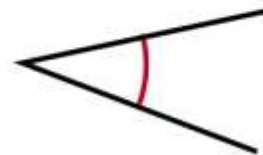
6 Label the angles: acute, obtuse or right angle.

a)



\_\_\_\_\_

c)



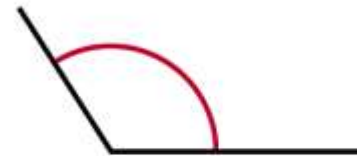
\_\_\_\_\_

b)



\_\_\_\_\_

d)



\_\_\_\_\_

7 Is the angle acute, obtuse or a right angle?

a)  $35^\circ$  \_\_\_\_\_

d)  $89^\circ$  \_\_\_\_\_

b)  $99^\circ$  \_\_\_\_\_

e)  $121^\circ$  \_\_\_\_\_

c)  $90^\circ$  \_\_\_\_\_

f)  $179^\circ$  \_\_\_\_\_

How do you know?



8



Angle B is obtuse  
because it's bigger than  
the right angle.

A



B



Do you agree with Teddy? \_\_\_\_\_

Explain your answer.





9

Are the statements always true, sometimes true or never true?  
Explain your answer.

**a)** An obtuse angle is a greater turn than an acute angle.

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**b)** An acute angle is a greater turn than a right angle turn.

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**c)** If you turn through two acute angles you will have turned through an obtuse angle.

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