

Identify angles



1 Complete the sentences.

Use the word bank to help you.

90

180

greater

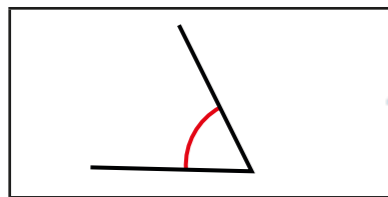
less

a) A right angle is 90 degrees.

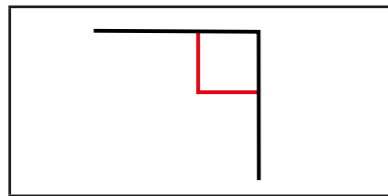
b) An acute angle is less than 90 degrees.

c) An obtuse angle is greater than 90 degrees but less than 180 degrees.

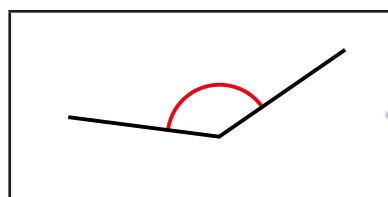
2 Match the angles to the labels.



right angle

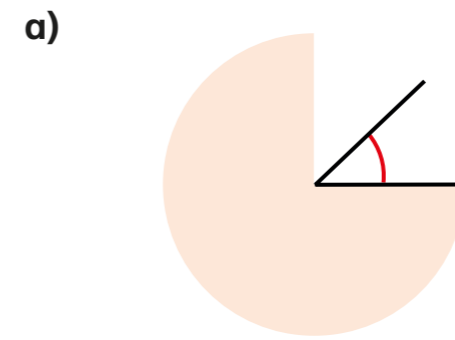


acute angle

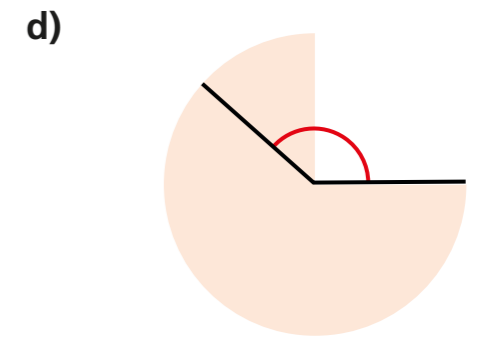


obtuse angle

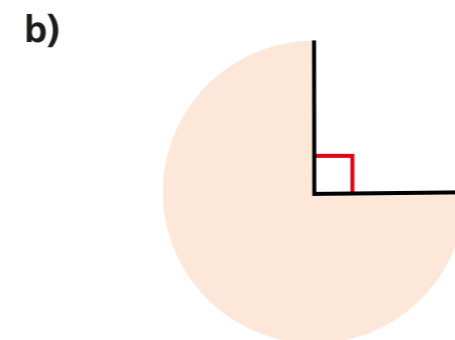
3 Label the angles: acute, obtuse or right angle.



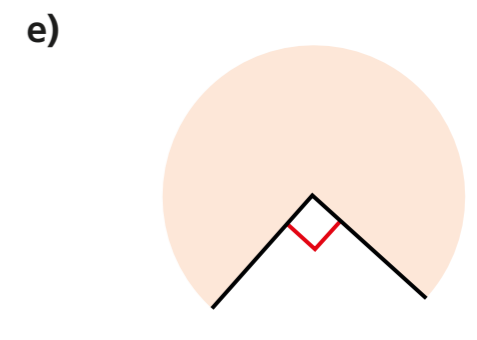
acute



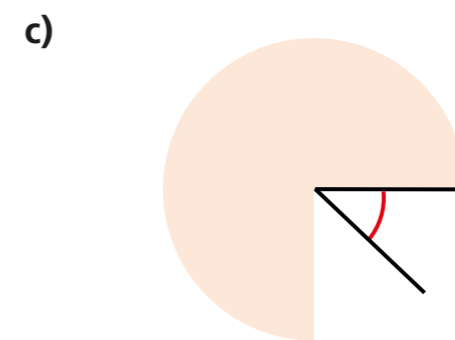
obtuse



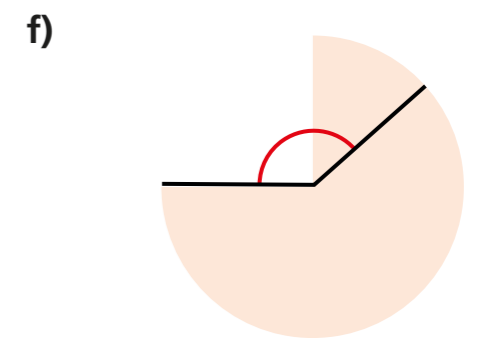
right angle



right angle

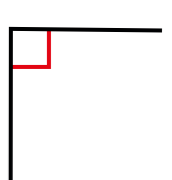
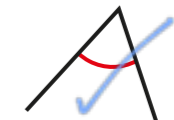
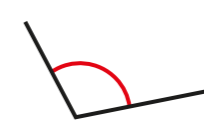
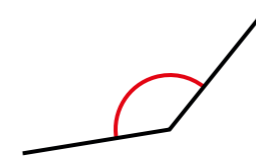


acute

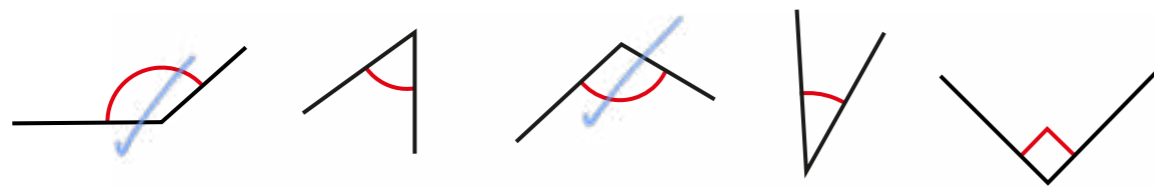


obtuse

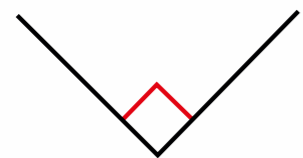
4 Tick all the acute angles.

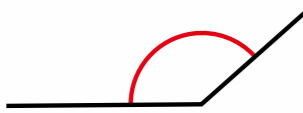


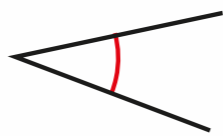
5 Tick all the obtuse angles.

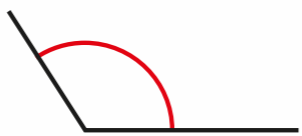


6 Label the angles: acute, obtuse or right angle.

a)  right angle

b)  obtuse

c)  acute

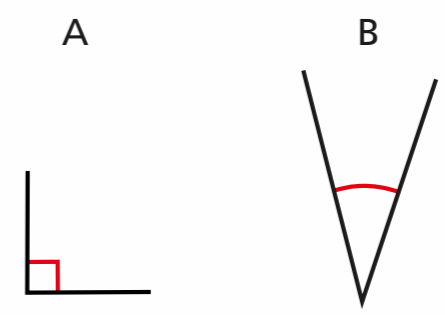
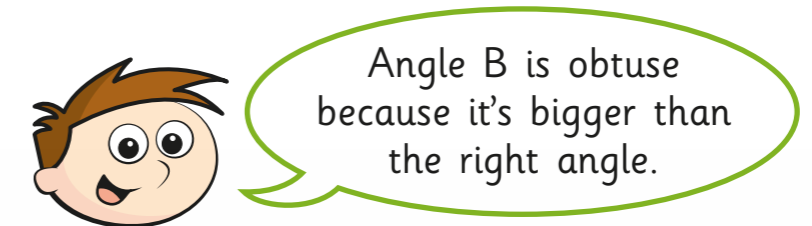
d)  obtuse

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

- a) 35° acute d) 89° acute
 b) 99° obtuse e) 121° obtuse
 c) 90° right angle f) 179° obtuse

How do you know?

8



Do you agree with Teddy? No
 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.
Always. Obtuse angles are greater than 90° therefore greater than acute angles which are less than 90° .
- b) An acute angle is a greater turn than a right angle turn.
Never. Acute angles are less than 90° i.e. less than a right angle.
- c) If you turn through two acute angles you will have turned through an obtuse angle.
Sometimes. E.g. $12^\circ + 12^\circ = 24^\circ$ (acute) but $50^\circ + 50^\circ = 100^\circ$ (obtuse).

