

Identify angles

1 Complete the sentences.

Use the word bank to help you.

90

180

greater

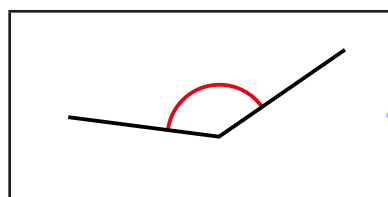
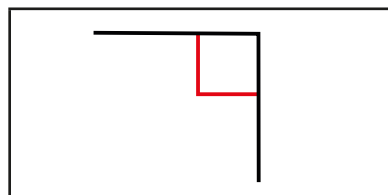
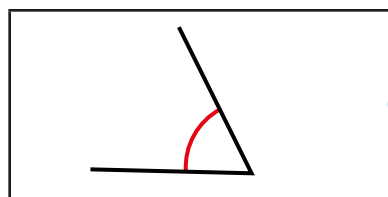
less

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.



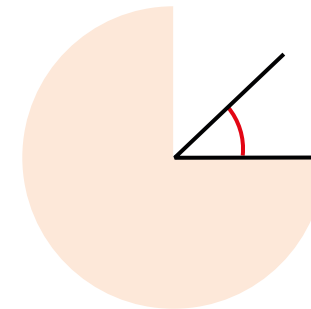
right angle

acute angle

obtuse angle

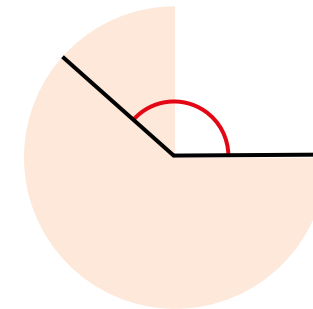
3 Label the angles: acute, obtuse or right angle.

a)



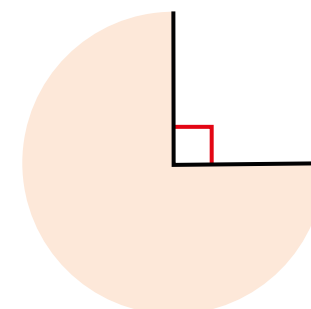
acute

d)



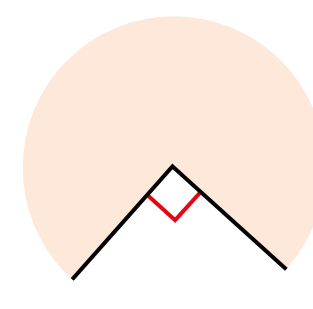
obtuse

b)



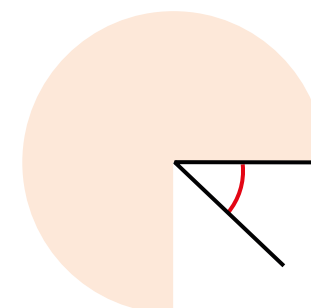
right angle

e)



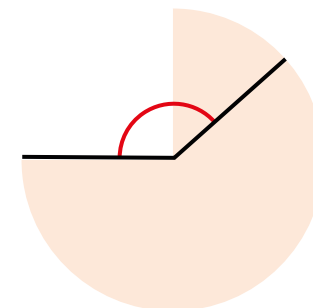
right angle

c)



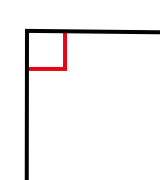
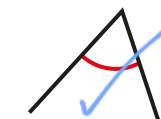
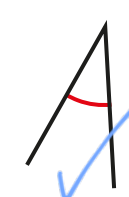
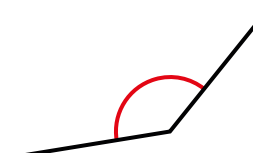
acute

f)

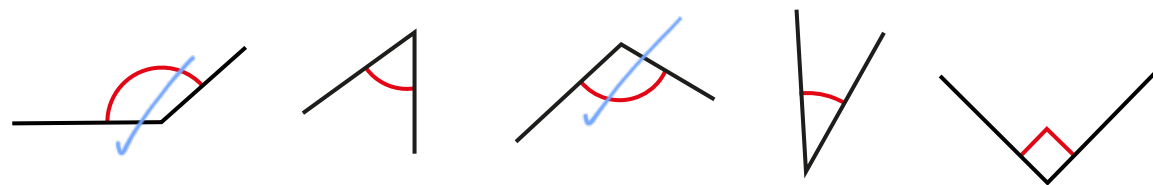


obtuse

4 Tick all the acute angles.

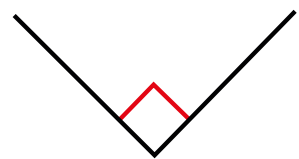


- 5 Tick all the obtuse angles.



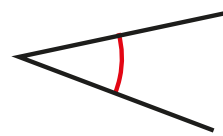
- 6 Label the angles: acute, obtuse or right angle.

a)



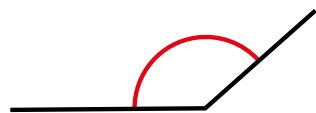
right angle

c)



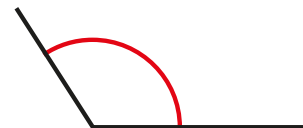
acute

b)



obtuse

d)



obtuse

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

a) 35° acute

d) 89° acute

b) 99° obtuse

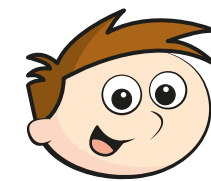
e) 121° obtuse

c) 90° right angle

f) 179° obtuse

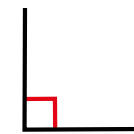
How do you know?

8

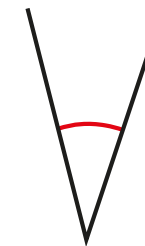


Angle B is obtuse because it's bigger than the right angle.

A



B



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)

