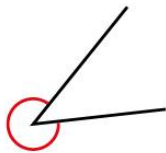


# Measure with a protractor

**1** Here are some angles.

**A**



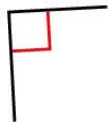
**C**



**E**



**B**



**D**



**F**



**a)** Sort the angles into the table.

Acute angle	Obtuse angle	Right angle	Reflex angle

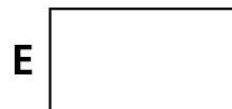
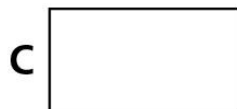
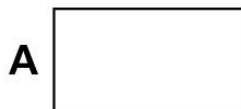
- 1 b) How did you decide where to place each angle?

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- c) Estimate the size of each angle.

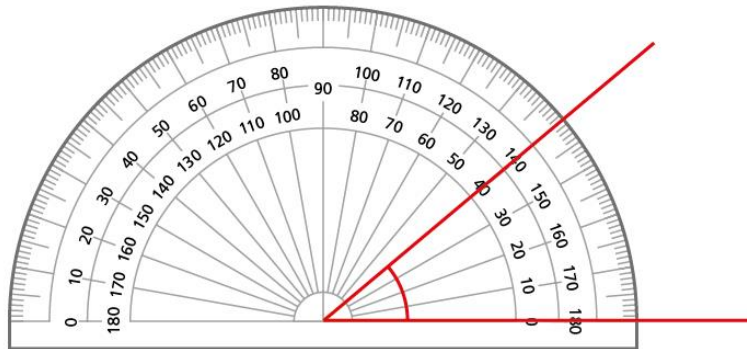


Compare answers with a partner.



2 What is the size of each angle? Circle your answer.

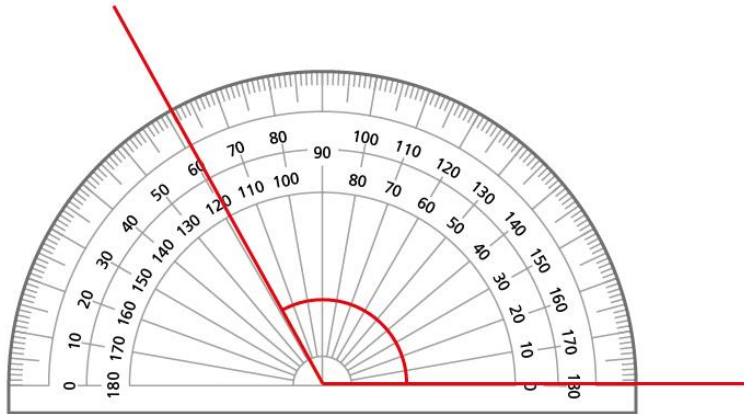
a)



40°

140°

b)

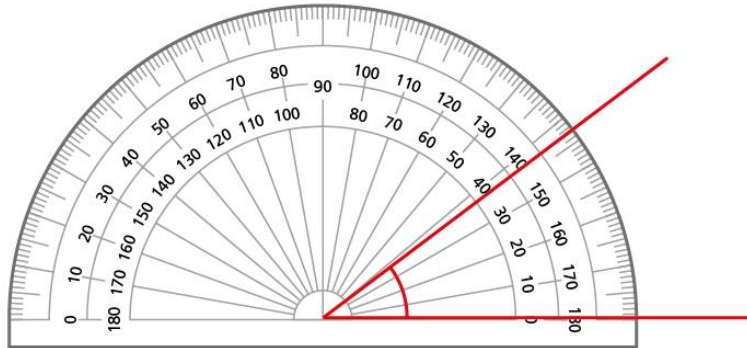


61°

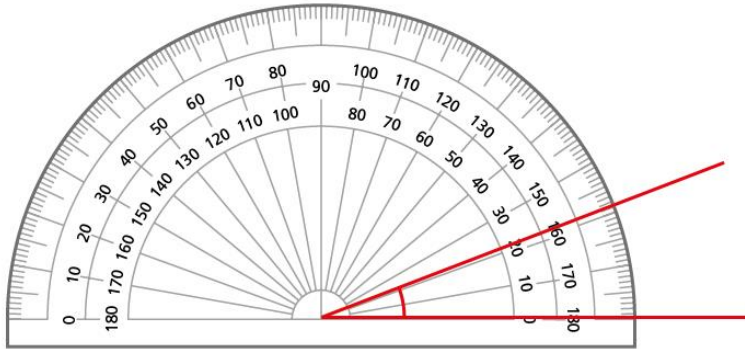
119°

2

c)

 $37^\circ$  $143^\circ$ 

d)

 $21^\circ$  $159^\circ$ 

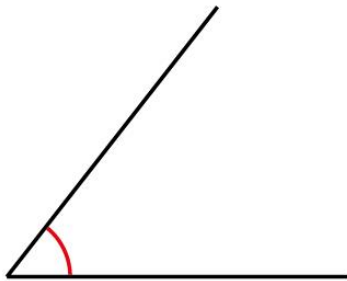
Look at the angles you have **not** circled.

Why might somebody think they are correct?

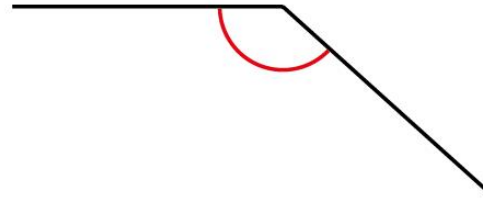


**3** Measure the size of each angle using a protractor.

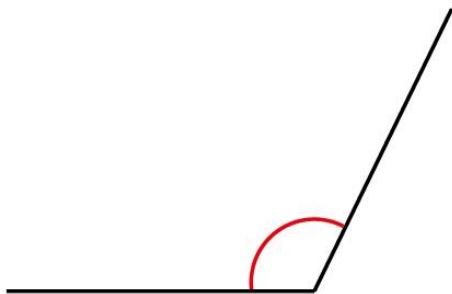
a)



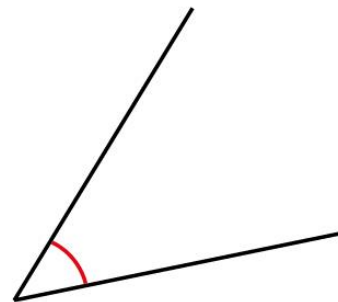

c)




b)

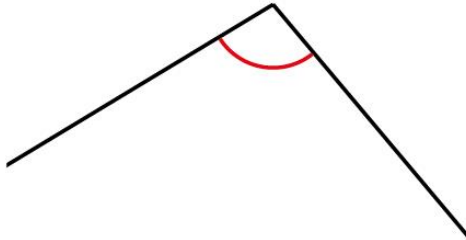



d)



3

e)




g)



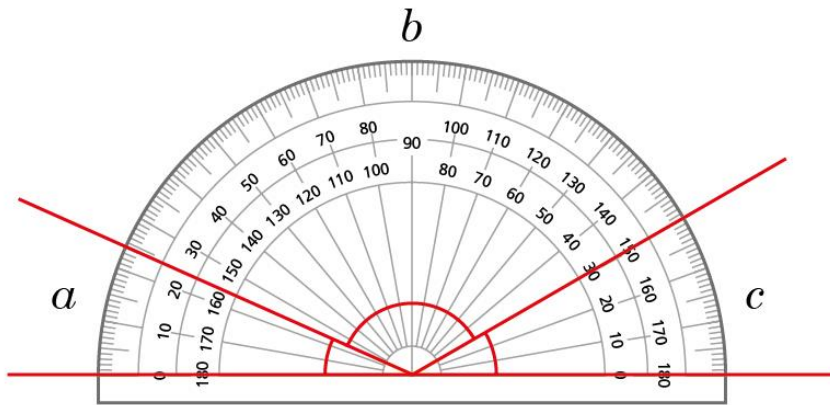

f)




h)



- 4 a) Work out the sizes of the angles.



$a =$

$b =$

$c =$

- b) Discuss with a partner how you worked out each angle.

- c) Find the total of your three angles.

What do you notice?

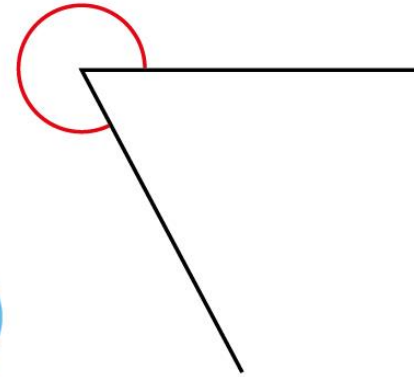
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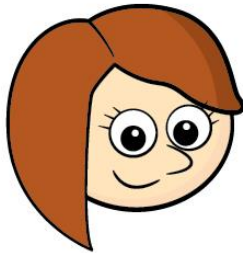


5

Rosie is measuring the size of this angle.



a)



I can't measure it because my protractor doesn't go that far.

Do you agree with Rosie? \_\_\_\_\_

Explain your answer.

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b) Measure the size of the angle.