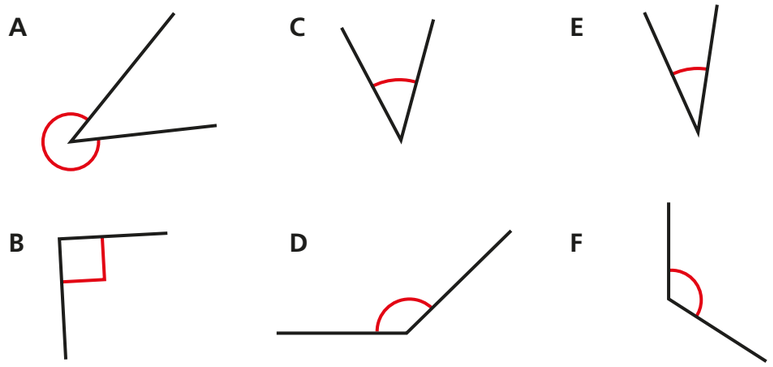
Measure with a protractor

1 Here are some angles.



a) Sort the angles into the table.

Acute angle	Obtuse angle	Right angle	Reflex angle

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

c) Estimate the size of each angle.

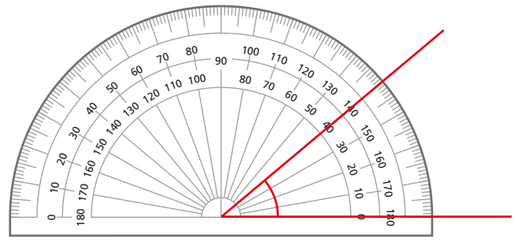
A ☐ **C** ☐ **E** ☐

B ☐ **D** ☐ **F** ☐

Compare answers with a partner.

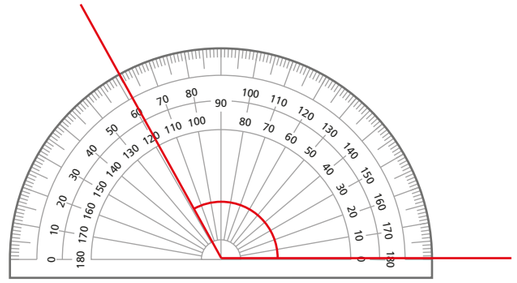
2 What is the size of each angle? Circle your answer.

a)



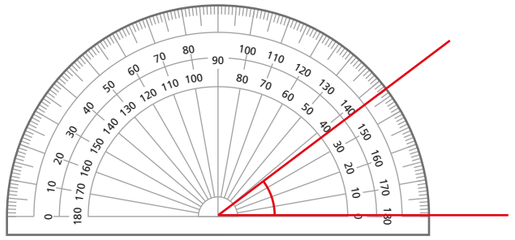
40° 140°

b)



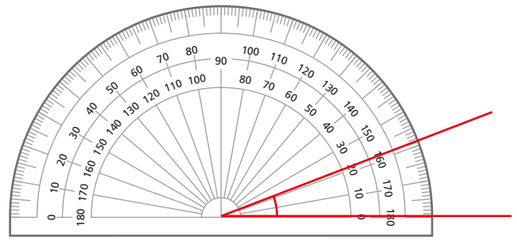
61° 119°

c)



37° 143°

d)



21° 159°

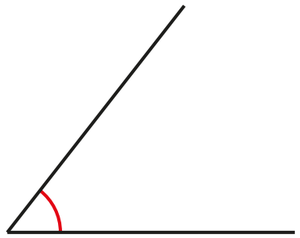
Look at the angles you have **not** circled.

Why might somebody think they are correct?

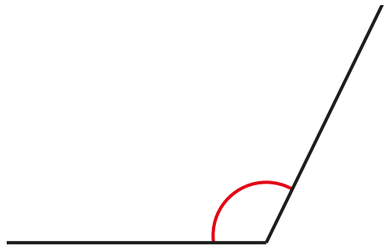
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3 Measure the size of each angle using a protractor.

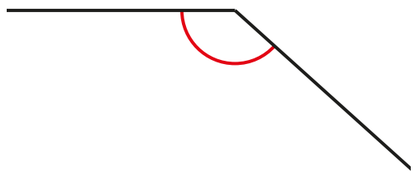
a)



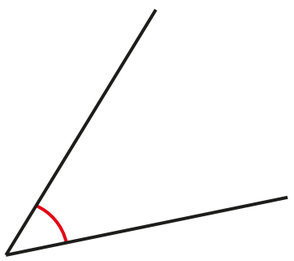
b)



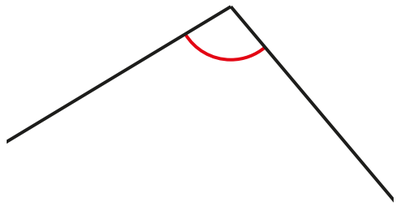
c)



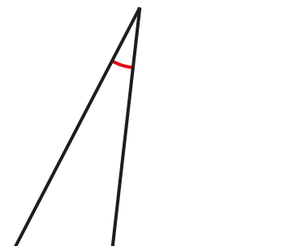
d)



e)



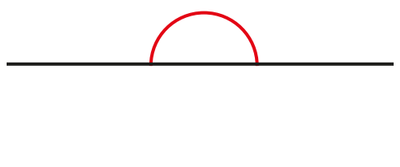
f)



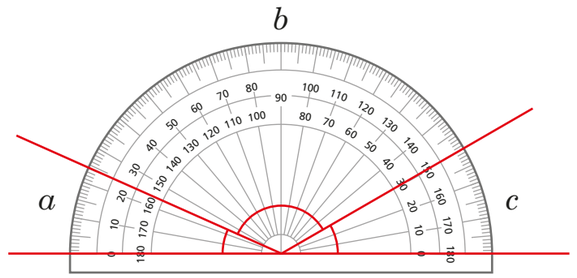
g)



h)



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



a = ____

b = ____

c = ____

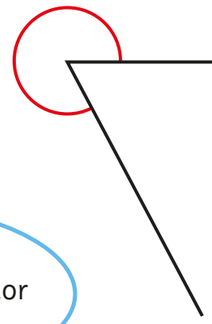
b) Discuss with a partner how you worked out each angle.

c) Find the total of your three angles.

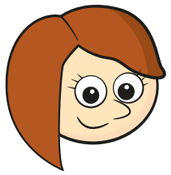
What do you notice?

_____

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.

_____

_____

b) Measure the size of the angle.

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