

1. True or false?

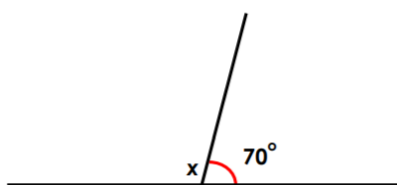
$$50^{\circ} + 140^{\circ} = 180^{\circ}$$

a.

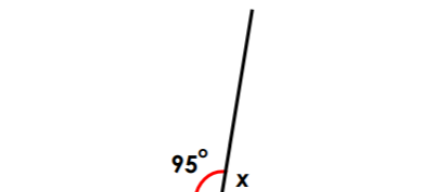
$$65^{\circ} + 115^{\circ} = 180^{\circ}$$

b.

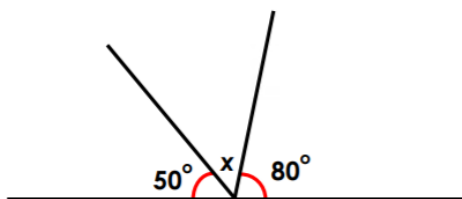
2. Calculate the missing angles



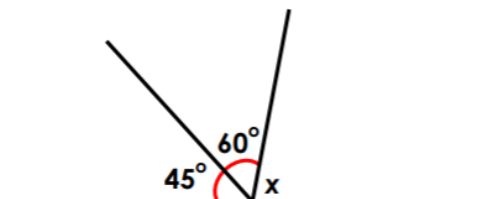
a.



b.



c.



d.

3. a. James is measuring angles on a straight line.

He says:



There are two angles on the line. One is  $110^{\circ}$  and the other is  $60^{\circ}$ .

Could he be right?  
Explain how you know.

- b. Harper is measuring angles on a straight line.

She says:

There are two angles on the line. One is  $100^{\circ}$  and the other is  $80^{\circ}$ .



Could she be right?  
Explain how you know.

## ANSWERS

1a. False as  $50^\circ + 140^\circ = 190^\circ$

1b. True

2a.  $110^\circ$

2b.  $85^\circ$

2c.  $50^\circ$

2d.  $75^\circ$

3a. James cannot be right as his angles only total  $170^\circ$

3b. Harper could be right as her angles total  $180^\circ$ .