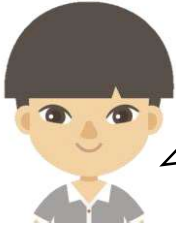


## Angles on a Straight Line

## Angles on a Straight Line

1a. James is measuring angles on a straight line.  
He says:

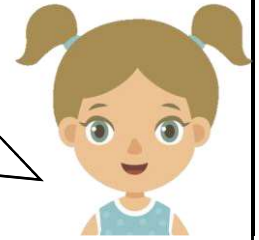


There are two angles on the line. One is  $110^\circ$  and the other is  $60^\circ$ .

Could he be right? Explain how you know.



1b. Harper is measuring angles on a straight line.  
She says:

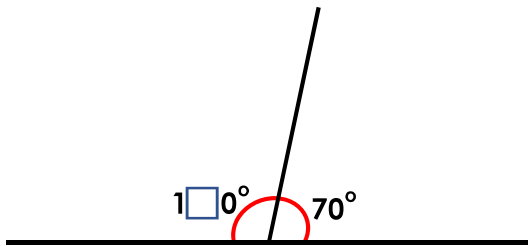


There are two angles on the line. One is  $100^\circ$  and the other is  $80^\circ$ .

Could she be right? Explain how you know.



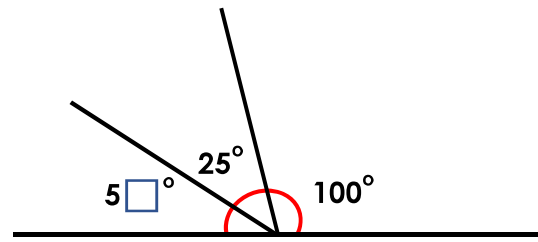
2a. One of the angles below has lost a digit. What should the missing digit be?



*Angles not drawn to scale*

PS

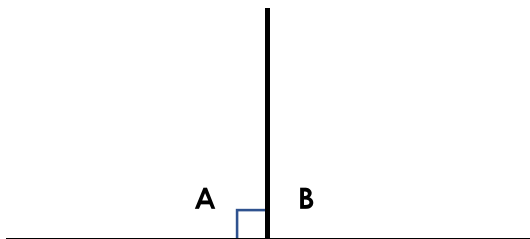
2b. One of the angles below has lost a digit. What should the missing digit be?



*Angles not drawn to scale*

PS

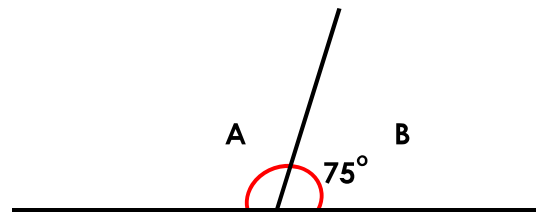
3a. John says angle B is the same as angle A. Do you agree? Explain your answer.



*Angles not drawn to scale*

R

3b. Theresa says that angle A is the same as angle B. Do you agree? Explain your answer.



*Angles not drawn to scale*

R

## Angles on a Straight Line

## Angles on a Straight Line

4a. Tyler is measuring angles on a straight line.  
He says:

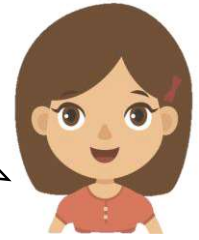


There are three angles on the line. One is  $110^\circ$ , one is  $10^\circ$  and the other is  $60^\circ$ .

Could he be right? Explain how you know.



4b. Isabelle is measuring angles on a straight line.  
She says:

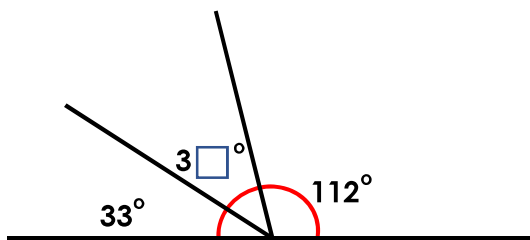


There are three angles on the line. One is  $100^\circ$ , one is  $30^\circ$  and the other is  $55^\circ$ .

Could she be right? Explain how you know.



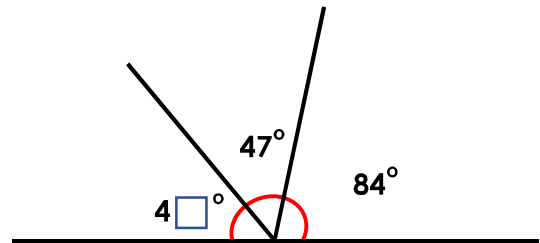
5a. One of the angles below has lost a digit. What should the missing digit be?



Angles not drawn to scale

PS

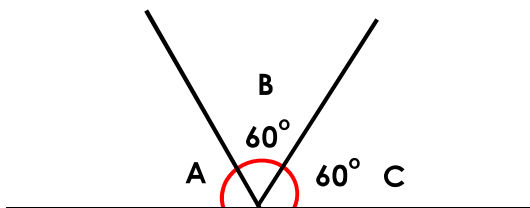
5b. One of the angles below has lost a digit. What should the missing digit be?



Angles not drawn to scale

PS

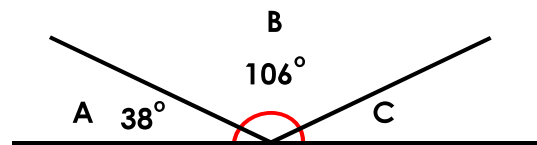
6a. Jim says that angle A is the same as angle B and C. Do you agree? Explain your answer.



Angles not drawn to scale

R

6b. Jen says that angle C is the same as angle A. Do you agree? Explain your answer.



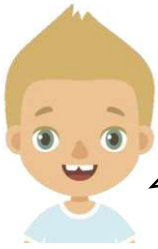
Angles not drawn to scale

R

## Angles on a Straight Line

## Angles on a Straight Line

7a. Eryk is measuring angles on a straight line.  
He says:

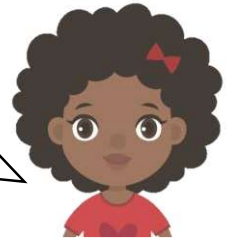


There are three angles on a line. One is  $19^\circ$ , one is a right angle and the other is  $61^\circ$ .

Could he be right? Explain how you know.



7b. Kristi is measuring angles on a straight line.  
She says:

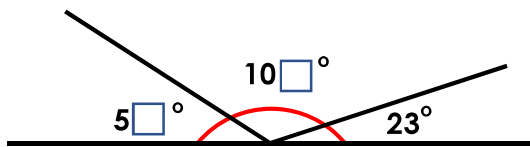


There are three angles on the line. One is  $89^\circ$  degrees, one is a right angle and the other is  $1^\circ$ .

Could she be right? Explain how you know.



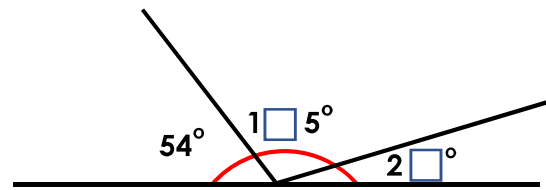
8a. Two of the angles below have lost a digit. What should the missing digits be?



Angles not drawn to scale

PS

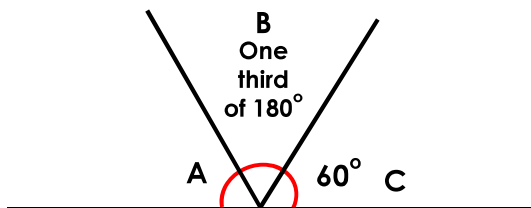
8b. Two of the angles below have lost a digit. What should the missing digits be?



Angles not drawn to scale

PS

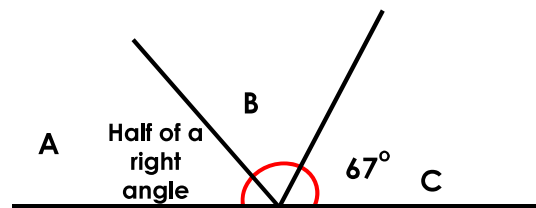
9a. Pam says that angle A and B are the same as angle C if each angle is equal. Do you agree? Explain your answer.



Angles not drawn to scale

R

9b. Tim says that angle B is the same as angle C. Do you agree? Explain your answer.



Angles not drawn to scale

R