

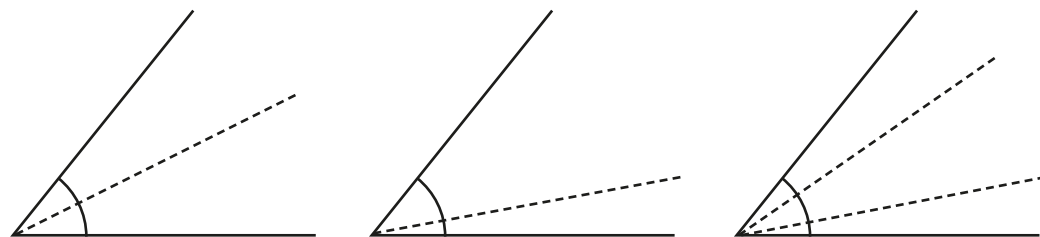
Construct an angle bisector

H



- 1 What does *bisect* mean?
Talk about it with a partner.

- 2 a) One of the diagrams shows an angle bisector.
Tick the diagram that shows an angle bisector.

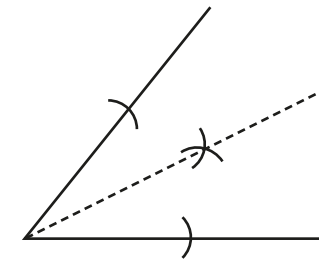


- b) Explain why the others are not angle bisectors.

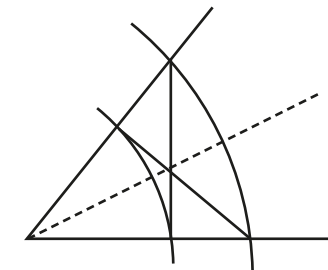
- c) Write a definition for an angle bisector.

- 3 Here are two methods for bisecting an angle.

Method 1

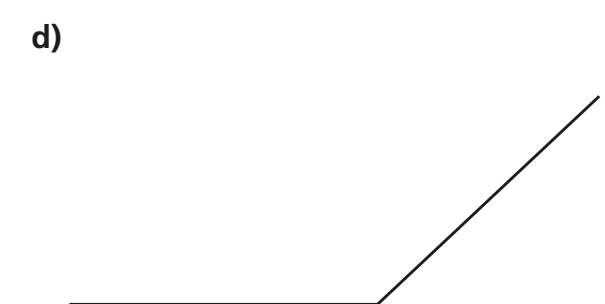
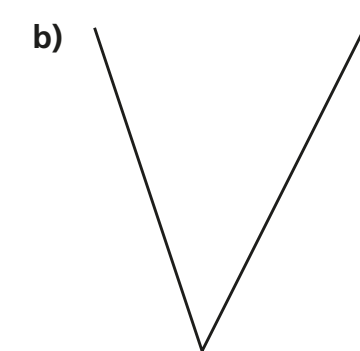
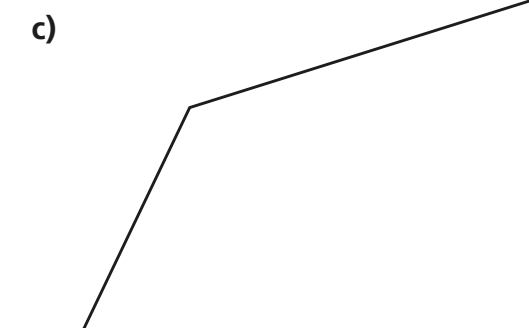
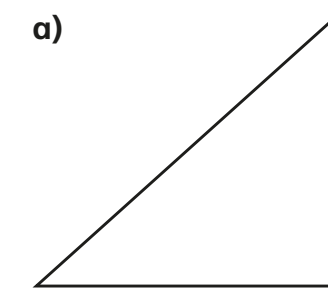


Method 2



Which method do you prefer? _____
Why?

- 4 Use a ruler and pair of compasses to construct the angle bisector of each angle.

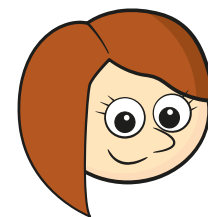


- 5 Draw each angle and construct its angle bisector.
a) 60° b) 90° c) 140° d) 200°

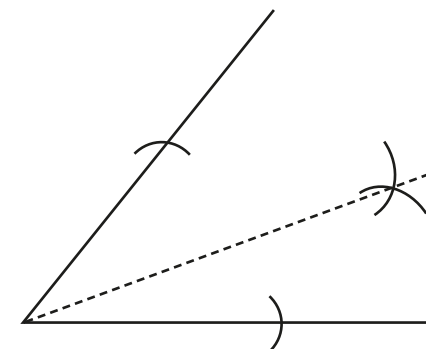
Use a protractor to check each angle bisector.
How do you know you are correct?



6



I have bisected this angle.



Is Rosie correct? _____
Explain your answer.

7

Write a set of instructions to explain how to construct an angle bisector.

