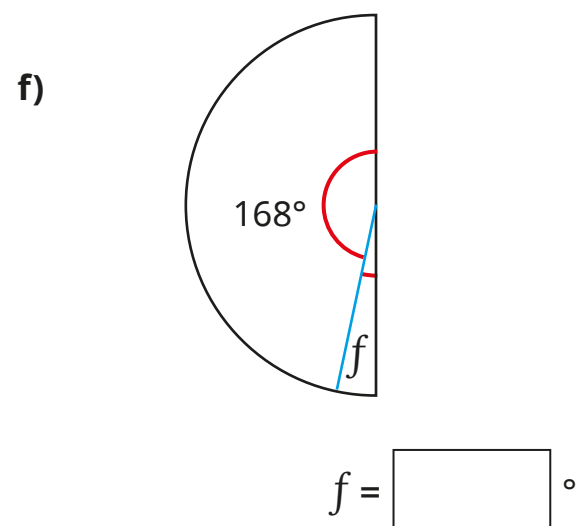
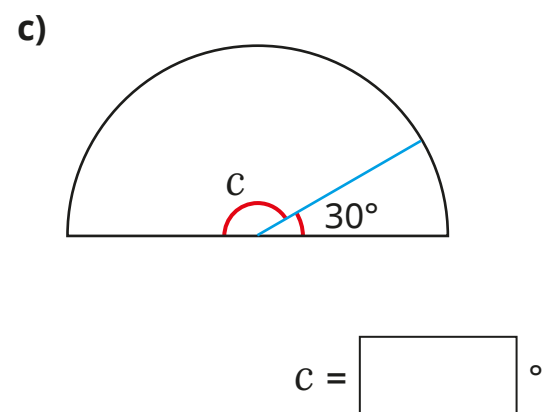
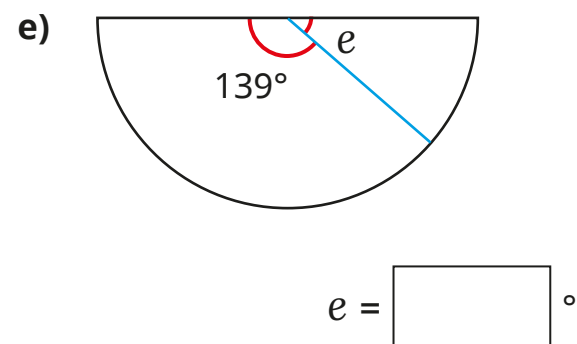
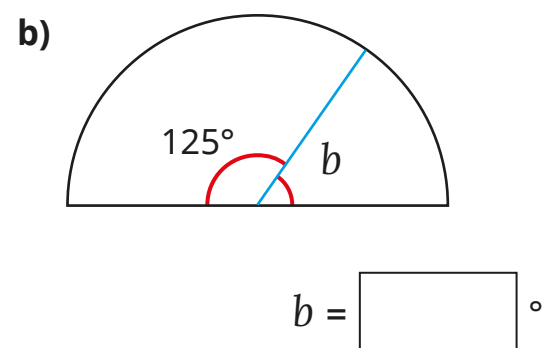
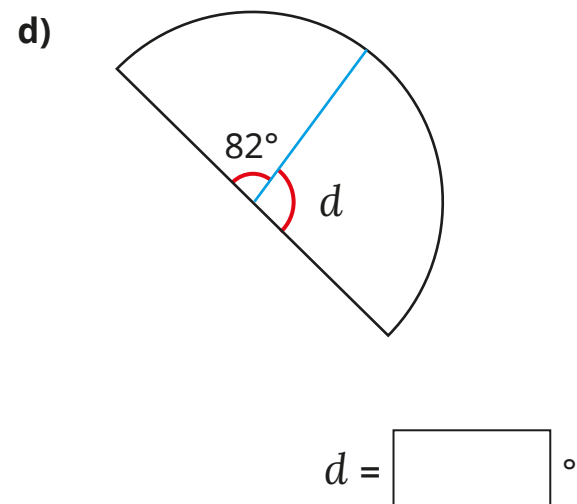
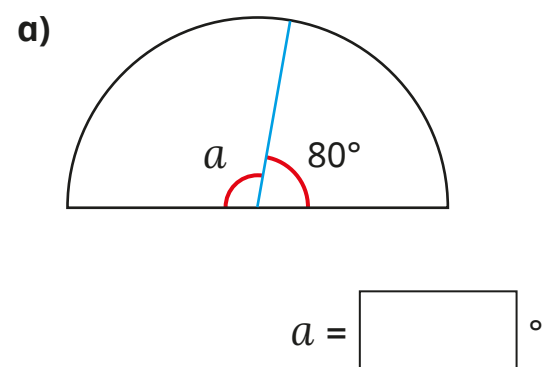
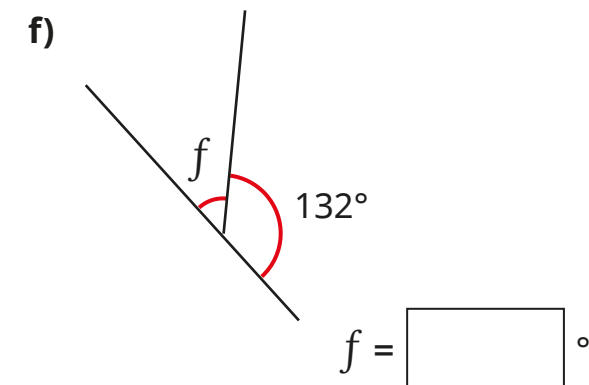
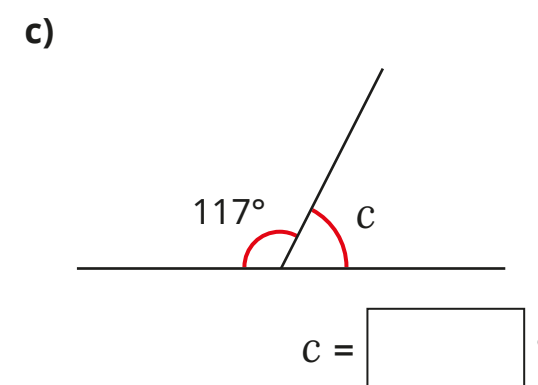
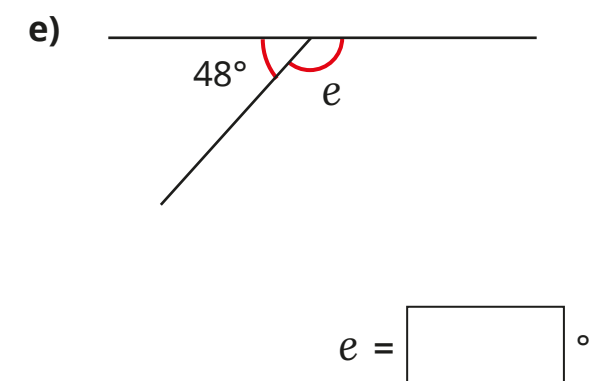
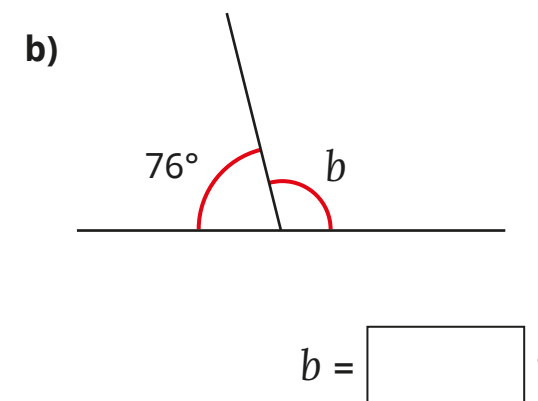
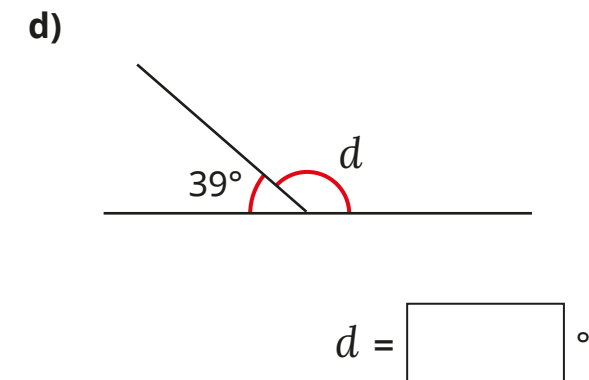
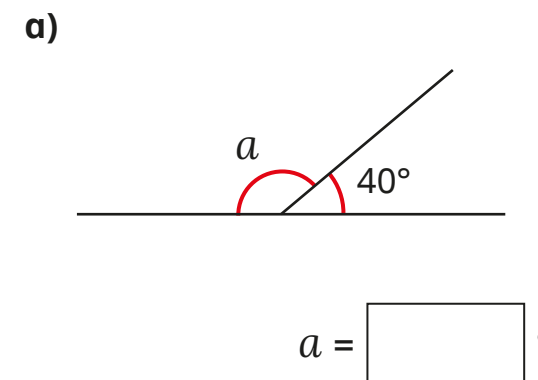


Calculate angles on a straight line

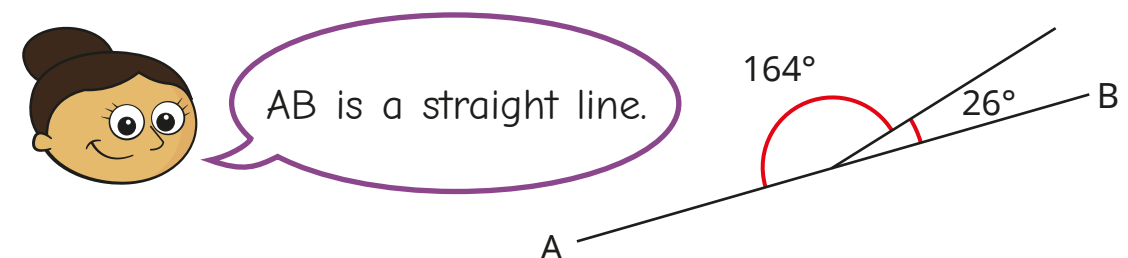
1 Work out the sizes of the unknown angles.



2 Work out the sizes of the unknown angles.



3 Dora draws two angles.



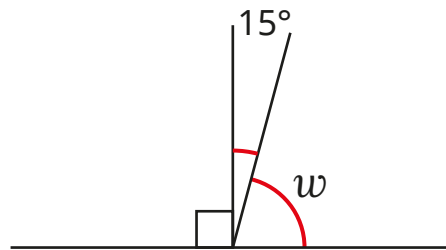
Do you agree with Dora? _____

Explain your answer.



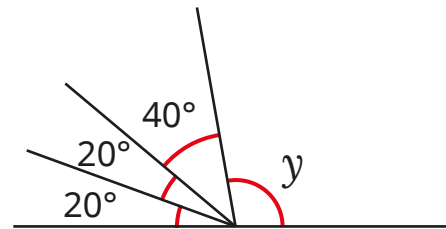
- 4 Work out the sizes of the unknown angles.
Show the steps in your workings.

a)



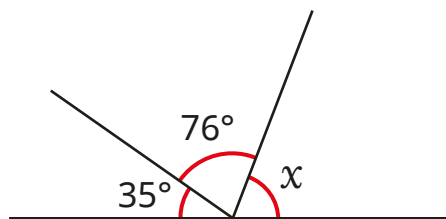
$$w = \boxed{}^\circ$$

c)



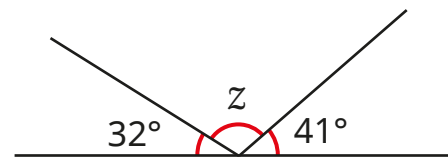
$$y = \boxed{}^\circ$$

b)



$$x = \boxed{}^\circ$$

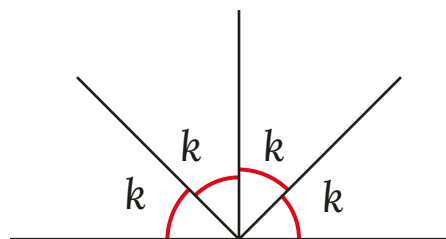
d)



$$z = \boxed{}^\circ$$

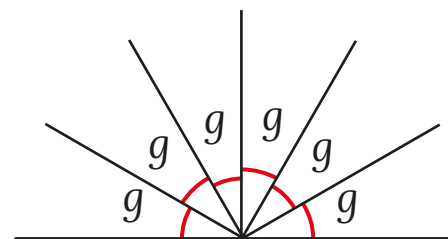
- 5 Work out the sizes of the unknown angles.

a)



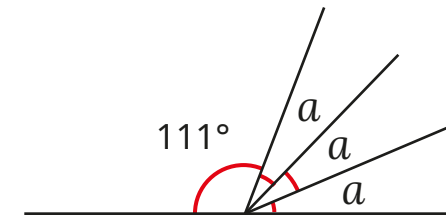
$$k = \boxed{}^\circ$$

b)



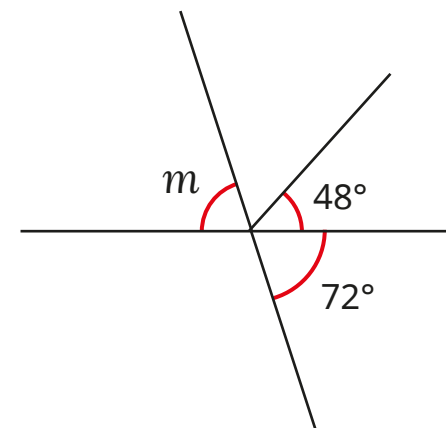
$$g = \boxed{}^\circ$$

- 6 Work out the size of angle a .



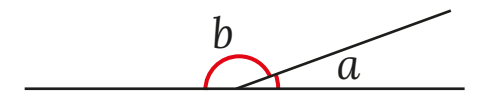
$$a = \boxed{}^\circ$$

- 7 This diagram is made from three straight lines.
Work out the size of angle m .



$$m = \boxed{}^\circ$$

- 8 Two angles are marked.
Angle b is eight times the size of angle a .
What is the size of each angle?



$$a = \boxed{}^\circ \quad b = \boxed{}^\circ$$