Finding unknown angles

Downloadable Resource

Mr. Thomas

Try this
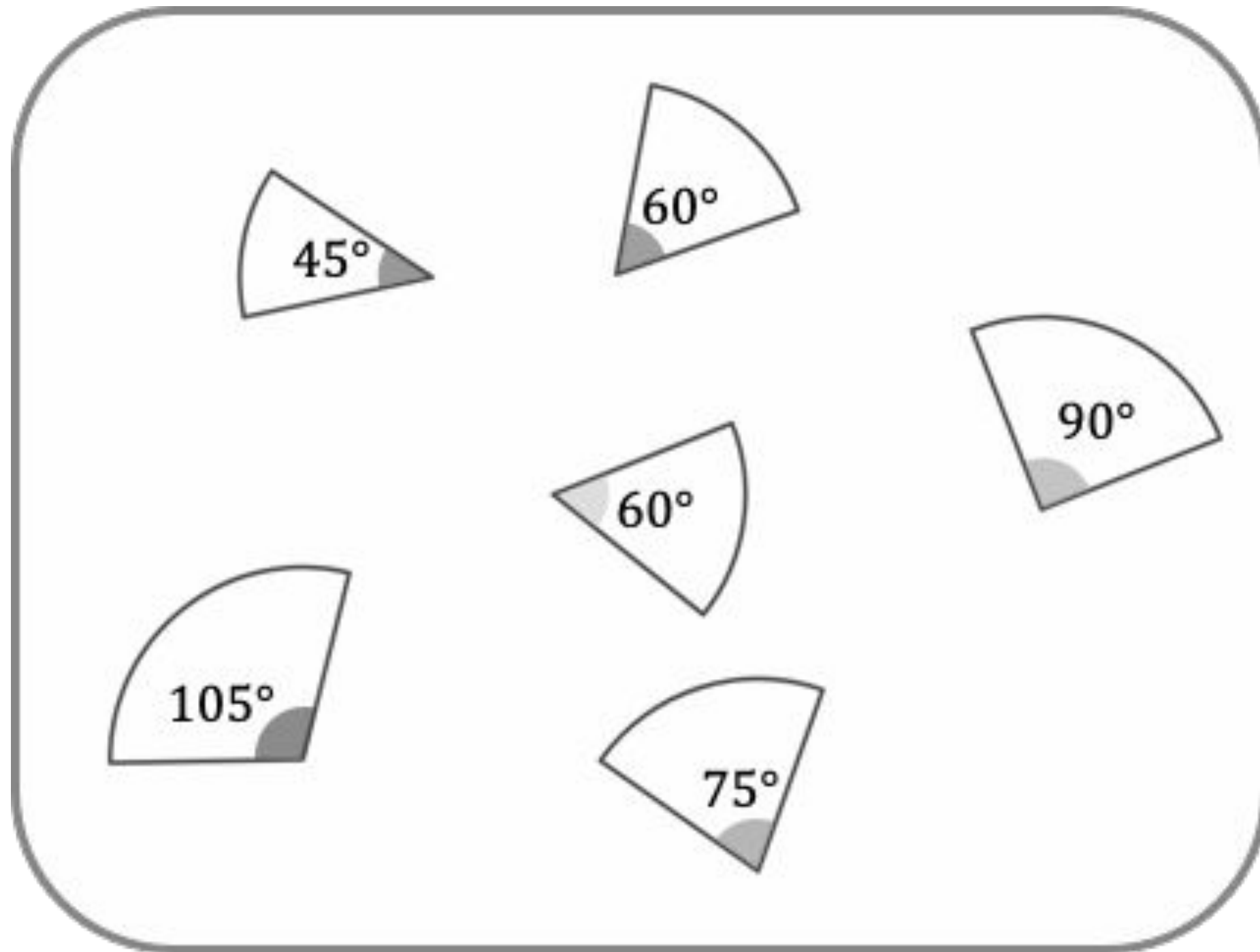
Connect

What equations can we form from this bar model?
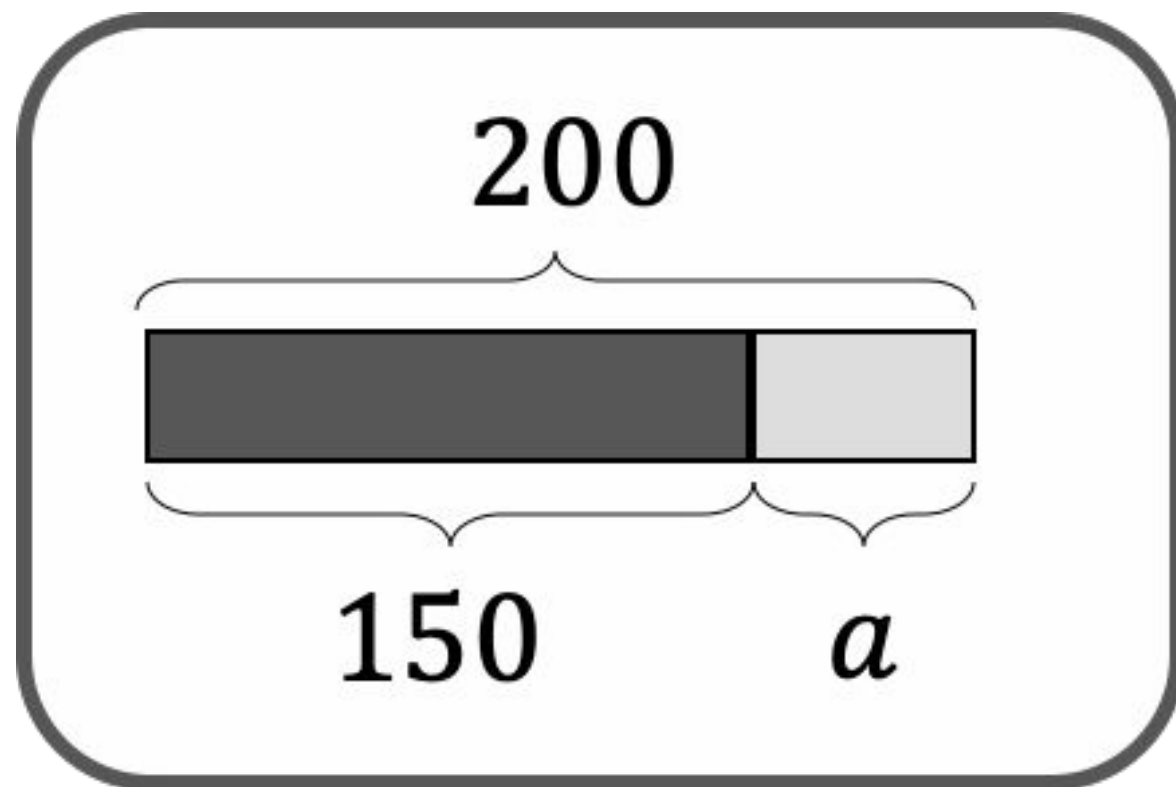
Connect

Why do the following bar models work with these shapes?
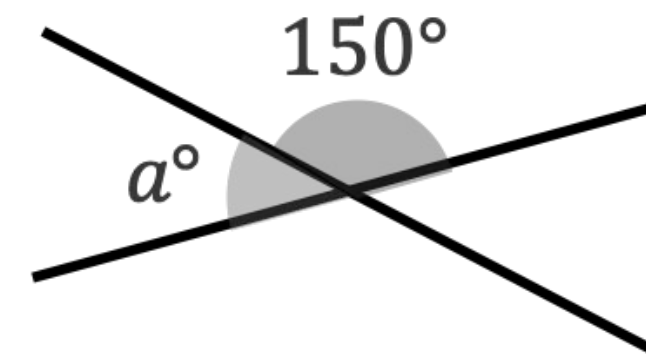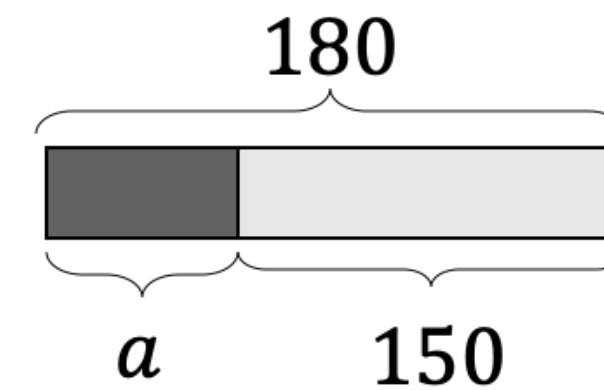
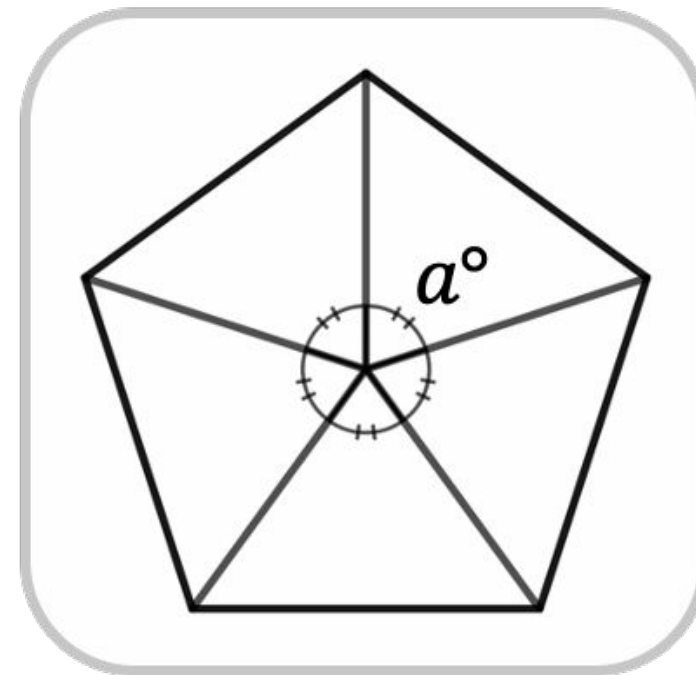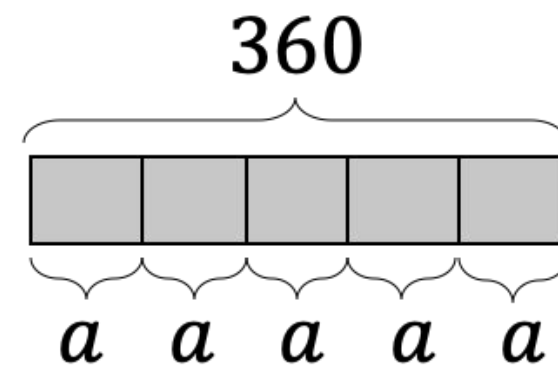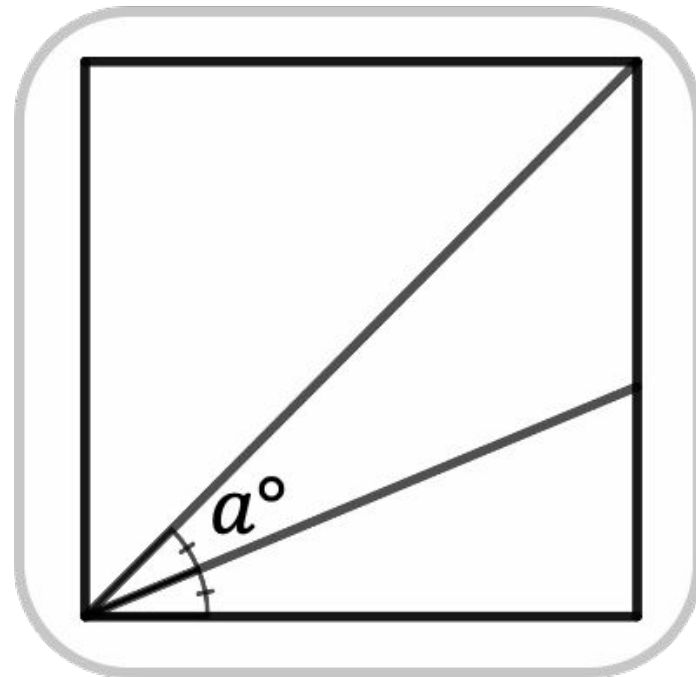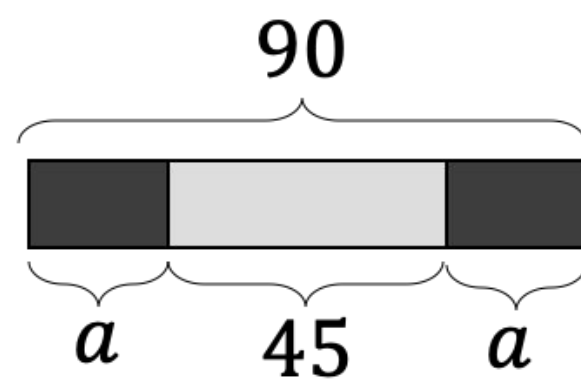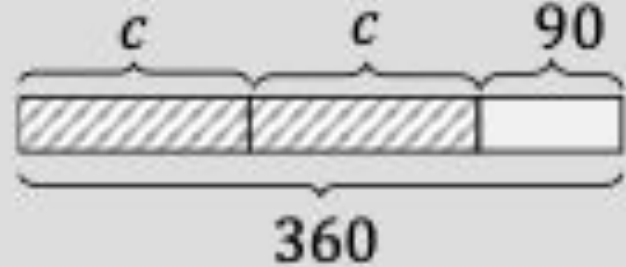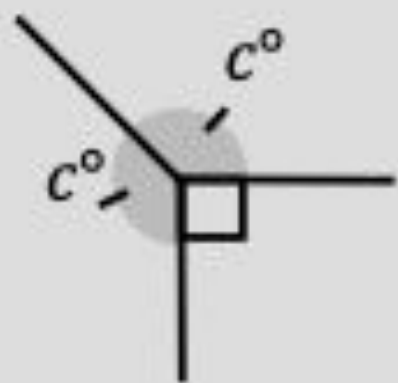# Independent Task

Fill in the blanks for the following exercise. You may want to go back in the video for some help.

Concept Corner

135	equation
2c	solve
90	angle
270	facts

We can use _____ _____ to form an _____. We can then _____ this equation by using useful related equations.

For example: in the image above we can see that $360 = \_\_\_ + \_\_\_$

Therefore $\_\_\_ = \_\_\_$ and therefore $c = \_\_\_$

Explore

Regular hexagons and squares are used to create three patterns. Find the value of a, b and c.