

04.06.20

WALT use our knowledge of angles to solve problems

## Mathematical Talk

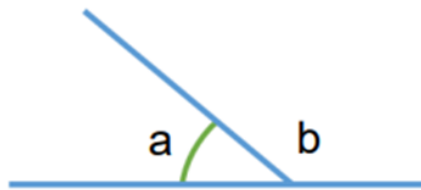
What do we know about  $a$  and  $b$ ? How do we know this?

Which angle fact might you need to use when answering this question?

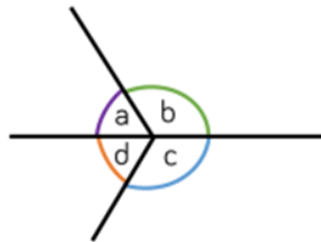
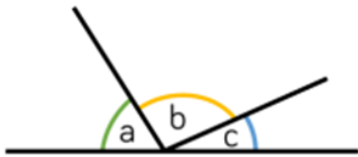
Which angles are already given? How can we use this to calculate unknown angles?

## Varied Fluency

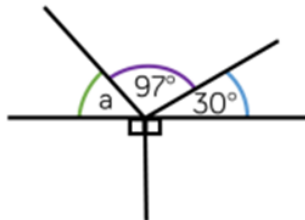
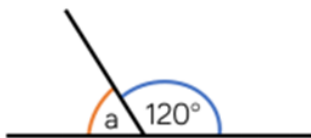
- $a + b = \square$
- $b + a = \square$
- $\square - a = b$
- $\square - b = a$



How many number sentences can you write from the images?



Calculate the missing angles.



Here is a pie chart showing the colour of cars sold by a car dealer.



The number of blue cars sold is equal to the total number of red and green cars sold.

The number of red cars sold is twice the number of green cars sold.

Work out the size of the angle for each section of the pie chart.

Four angles meet at the same point on a straight line.

One angle is  $81^\circ$

The other three angles are equal.

What size are the other three angles?

Draw a diagram to prove your answer.

There are five equal angles around a point.

What is the size of each angle?

Explain how you know.