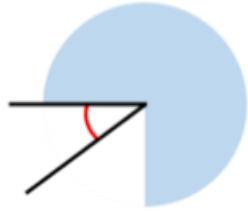


Can I identify angles? (Y4)

Reasoning and problem solving

This page does not need to be printed. Write the date you do the work and the above question in your maths book, underlining them with a ruler.

1)



I know the angle is not obtuse.



Teddy



Alex

I know the angle is acute.

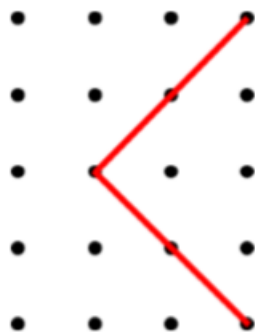
I think the angle is roughly 45° .



Whitney

Who is correct?
Explain your reasons.

2)



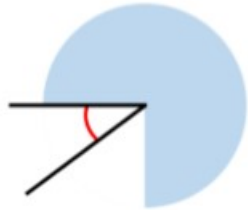
Is the angle acute, obtuse or a right angle?
Can you explain why?

3) Find the sum of the largest acute angle and the smallest obtuse angle in this list:

12° 98° 87° 179° 90° 5°

Identify Angles

Reasoning and Problem Solving



I know the angle is not obtuse.



Teddy



Alex

I know the angle is acute.

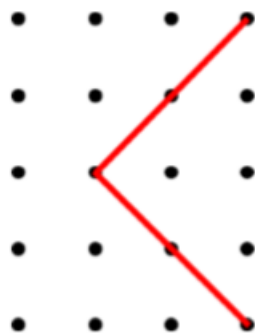


Whitney

I think the angle is roughly 45° .

Who is correct?
Explain your reasons.

All are correct. Children may reason about how Whitney has come to her answer and discuss that the angle is about half a right angle. Half of 90 degrees is 45 degrees.



Is the angle acute, obtuse or a right angle?
Can you explain why?

Find the sum of the largest acute angle and the smallest obtuse angle in this list:

12° 98° 87° 179° 90° 5°

The angle is a right angle. Children may use an angle tester to demonstrate it, or children may extend the line to show that it is a quarter turn which is the same as a right angle.



$$87^\circ + 98^\circ = 185^\circ$$