

Draw and measure angles between 180° and 360°

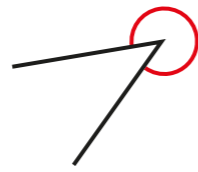
1 Measure the angles.

a)



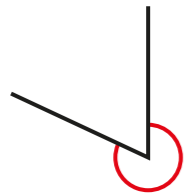
200°

d)



315°

b)



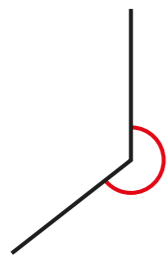
296°

e)



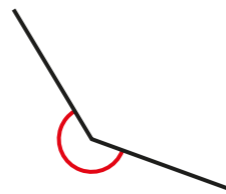
270°

c)



233°

f)

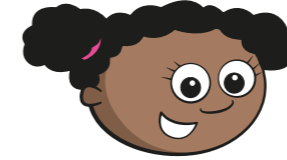


219°

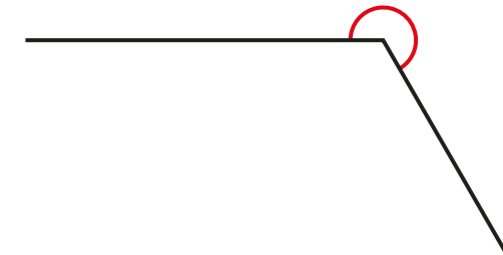
Discuss the method you used with a partner.



2 Whitney is measuring this angle.



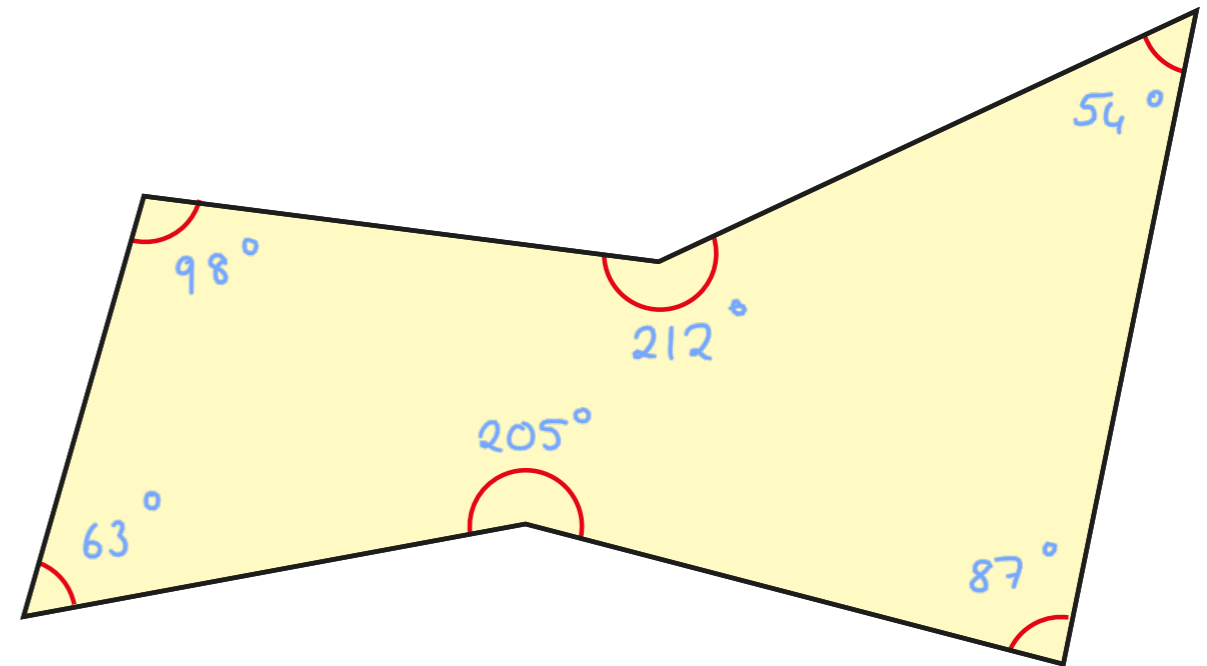
The angle is 120° .



What mistake has Whitney made?

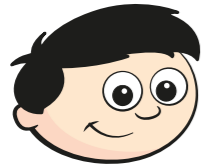
She's measured the obtuse angle not the reflex.

3 Here is an irregular hexagon.

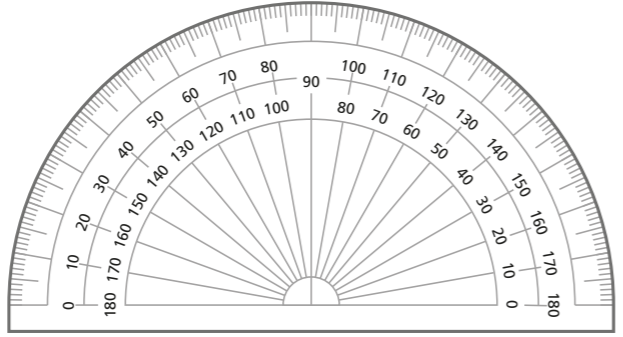


Measure and label the size of all the interior angles of the hexagon.

4



It is not possible to use a protractor to draw angles greater than 180° .



Dexter is incorrect. Talk to a partner about how you can draw an angle of 225° using a protractor.

5

Draw the angles.

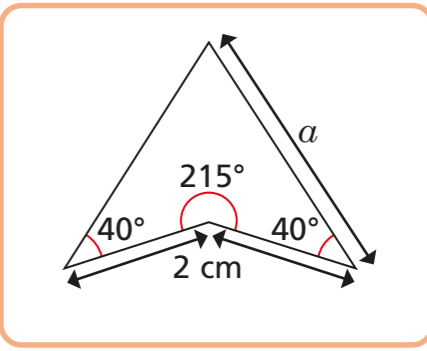
- a) 285°
- b) 241°
- c) 354°



6

Make an accurate drawing of the arrowhead.
What is the length of the side marked a ?

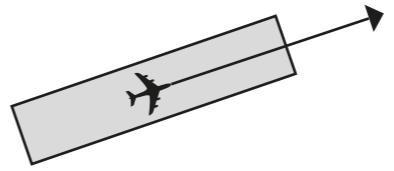
3.5 cm



7

An aircraft takes off from the runway shown in the diagram.

- It flies for 10 miles in the direction shown by the arrow.
- It then turns clockwise through an angle of 80 degrees.
- It flies in this direction for 6 more miles.
- It then turns anticlockwise through 260 degrees and flies for 12 miles.
- Draw a diagram to show the path of the aircraft.



1 cm = 2 miles

