WORKIT!
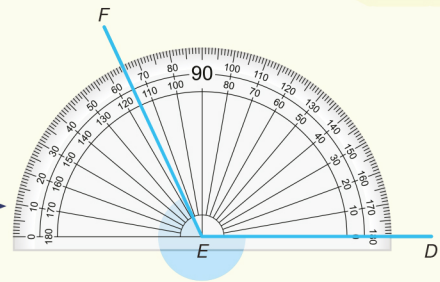
Measure reflex angle *DEF*.

Smaller angle = 115°
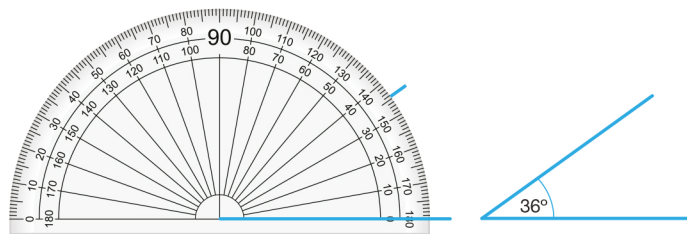
Angle DEF = 360° − 115° = 245°

Measure the smaller angle using the inside scale (start from 0°).
Subtract the smaller angle from 360°. (See angle facts on page 121.)

Drawing angles

To draw an angle of 36°:

- Draw a horizontal line with a ruler.
- Place the cross at the centre of the protractor on one end of the line. The base line on the protractor must rest on the line.
- Using the inside scale (starts from 0°), make a mark at 36°.
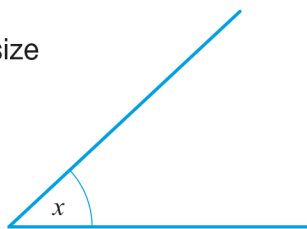- Join the mark to the end of the line with a ruler.
- Label the angle.

DOIT!

Draw and label angle *ABC* = 140°.
Mark on your diagram angle *ABC* = 220°.

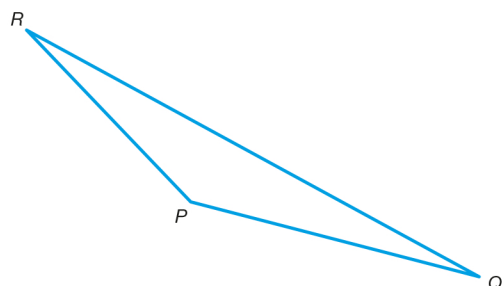# CHECKIT!

1 a Measure the size of the angle marked x.

b What type of angle is this?

2 Draw and label these angles.

a angle *XYZ* = 118°

b angle *ABC* = 290°

c angle *LMN* = 42°

3 Here is triangle *PQR*. This diagram is accurately drawn.

a Mark with a letter *O* an obtuse angle.

b Measure the size of the angle *QRP*.