5 PROPERTIES OF SHAPE

White Rose Maths

1 Measure the angle.

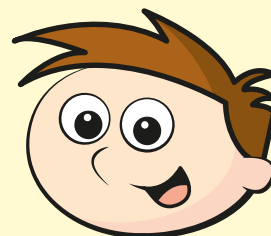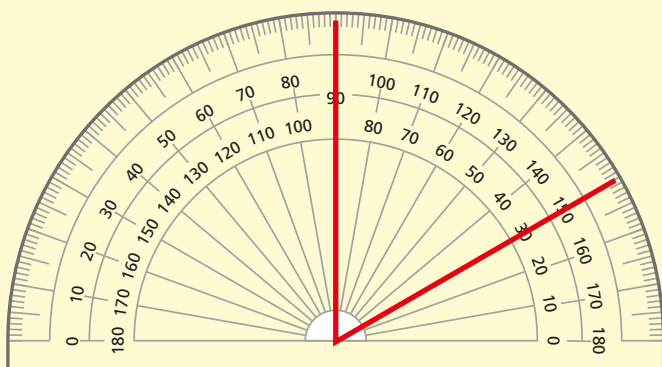‎ °
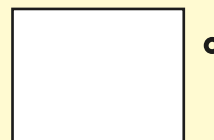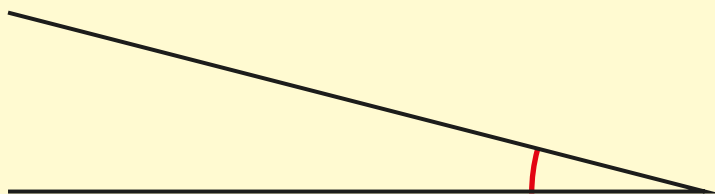
2 Teddy has measured the angle.

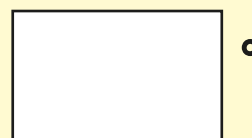Give a reason why Teddy is **not** correct.
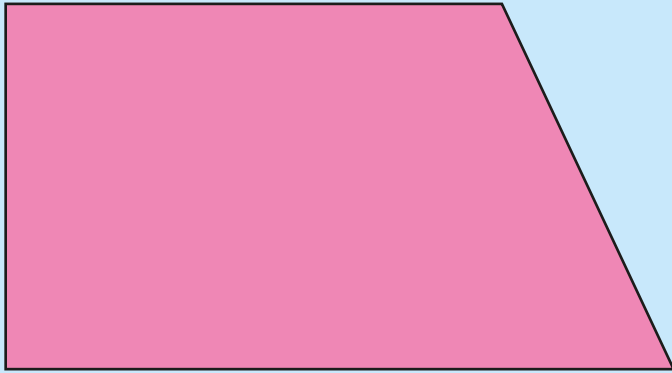

The angle
is 150°.

_____

_____

3 Complete the sentences.

There are 90° in a _____

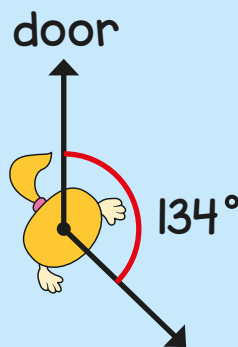Angles on a straight line add up to [ ] °

4 Measure the smallest angle in this quadrilateral.

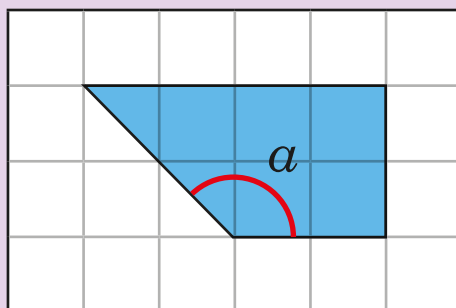°

5 Eva is facing a door.

She turns 134° clockwise.

How many more degrees clockwise will she need to turn before she faces the door again?

door

134°

6 Calculate the size of angle a in this shape.

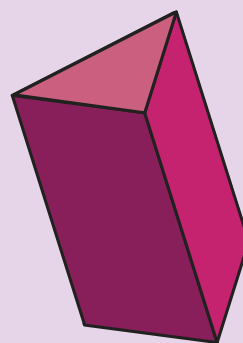Do **not** use a protractor.

7 Complete the sentences.

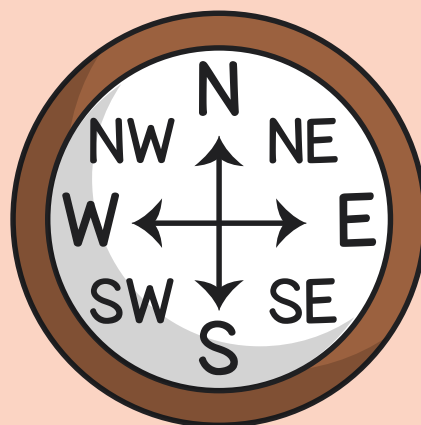A triangular prism has ⬚ faces.

A triangular prism has ⬚ edges.

A triangular prism has ⬚ vertices.

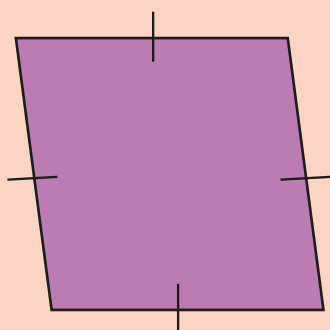**8** Use the compass to complete the sentences.
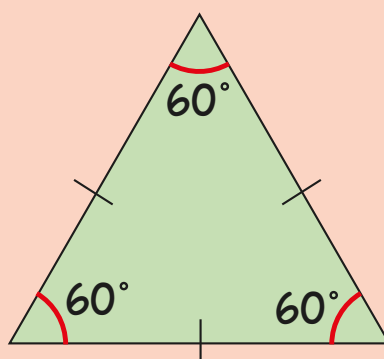

The angle from south to _____ is a right angle.

The angle from east to _____ is an acute angle.

The angle from _____ to north-west is a reflex angle.

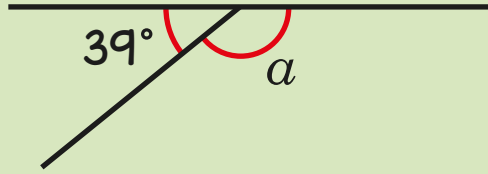**9** For each shape, state whether it is regular or irregular.

_____   _____   _____
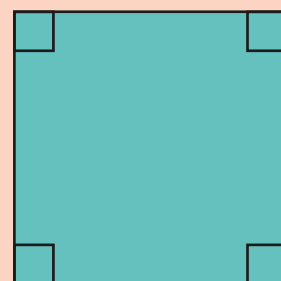
10 Draw a line that is 5.6 cm long.
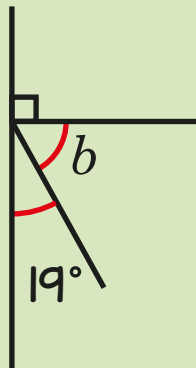
Use this line to draw a 40° angle.

11 Calculate the sizes of angles a and b.

Answers

1 15° plus or minus 2°

2 Teddy didn't start measuring from zero.

3 There are 90° in a **right angle** or **quarter turn**.
   Angles on a straight line add up to **180°**.

4 65° plus or minus 2°

5 226°

6 90 + 45 = 135
   a = 135°

7 A triangular prism has **5** faces.
   A triangular prism has **9** edges.
   A triangular prism has **6** vertices.

8 east or west
   north-east or south-east
   north, north-east or east (clockwise) or west, south-west
   or south (anticlockwise)

9 irregular
   regular
   regular

10 line of 5.6 cm accurately drawn using a ruler
    angle of 40° accurately drawn using 5.6 cm line

11 a = 141°
    b = 71°