3. Which of these angles do you think measures 45°?
Check your estimates with a protractor. What did you find out?

a)

b)

c)

d)

e)

f)

4. Measure each angle.
Do the angles in each pair have the same measure?

a)

b)

Do the lengths of the arms affect the measure of the angle? Explain.

Does the position of the angle affect the measure? Explain.

5. How can you tell whether you used the correct scale on the protractor to measure an angle?
Include an example in your explanation.

6. Use a protractor to find the measure of each reflex angle.
How can you check that your measure is correct?

a)

b)

c)

Reflex Reflex Reflex

7. Use a protractor to solve each riddle.

A E K X M T

a) I have 4 equal angles.
Each angle measures 90°.
Which letter am I?

b) I do not have any angles that measure 90°.
I have 3 angles that measure 60°.
I have 2 angles that measure 120°.
Which letter am I?

c) I have 2 right angles.
I have 1 acute angle.
I have 1 obtuse angle.
Which letter am I?

d) Make up your own letter riddle.
Trade riddles with a classmate.
Solve your classmate's riddle.

8. Name 4 objects in your classroom that have:
a) an angle greater than 100°
b) an angle less than 60°
Use a protractor to check your answers.

9. A student measured this angle and said it measured 60°.
Do you agree? Explain.

At Home

Look around your home for examp
of angles with different sizes.
Sketch each angle and
estimate its measure.

Reflect

How can you use a piece of paper to help estimate the measure of an angle?