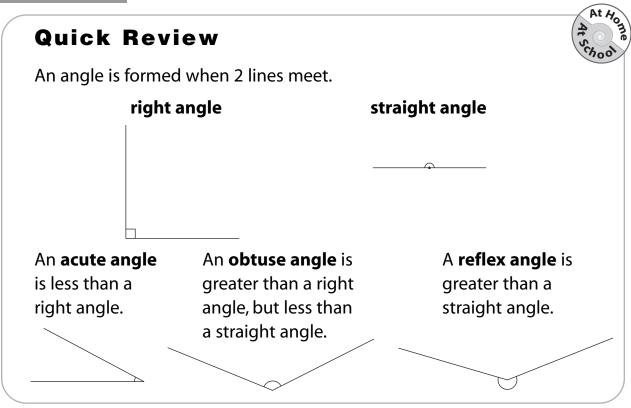
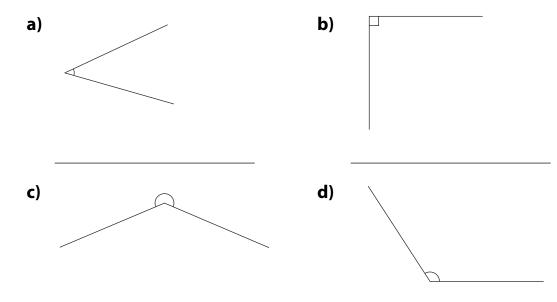


# **Naming Angles**

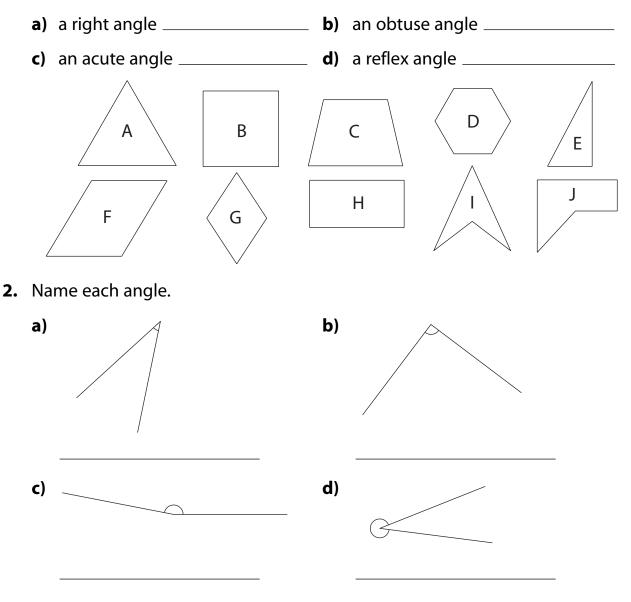


### **Try These**

1. Name each angle as a right, acute, obtuse, straight, or reflex angle.



**1.** List the shapes with:



### Stretch Your Thinking

Think about the angles formed by the hour hand and the minute hand on a clock. Write a time when the angle is:

- a) an acute angle \_\_\_\_\_
- c) a right angle \_\_\_\_\_
- **b)** an obtuse angle \_\_\_\_\_

d) a reflex angle \_\_\_\_\_



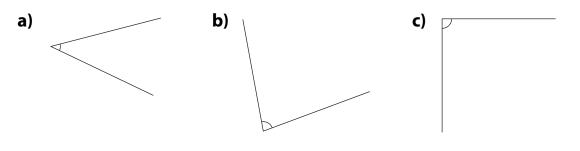
# **Exploring Angles**

#### 62 **Quick Review** 53 7 > A protractor measures angles. The protractor you made 44 00 baseline looks like this: 71 3<sup>5</sup> It is divided into 8 equal units. 6 2 The units are labelled from 0 to 7 3 clockwise and counterclockwise. 4 2 To measure an angle, count how 5 many units fit the angle. This angle is about 2 units. 0 6

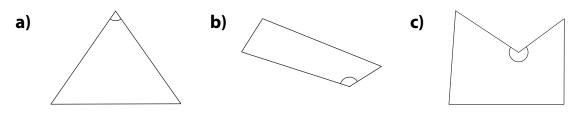
### **Try These**

Use an 8-unit protractor.

**1.** Use your protractor to measure each angle.

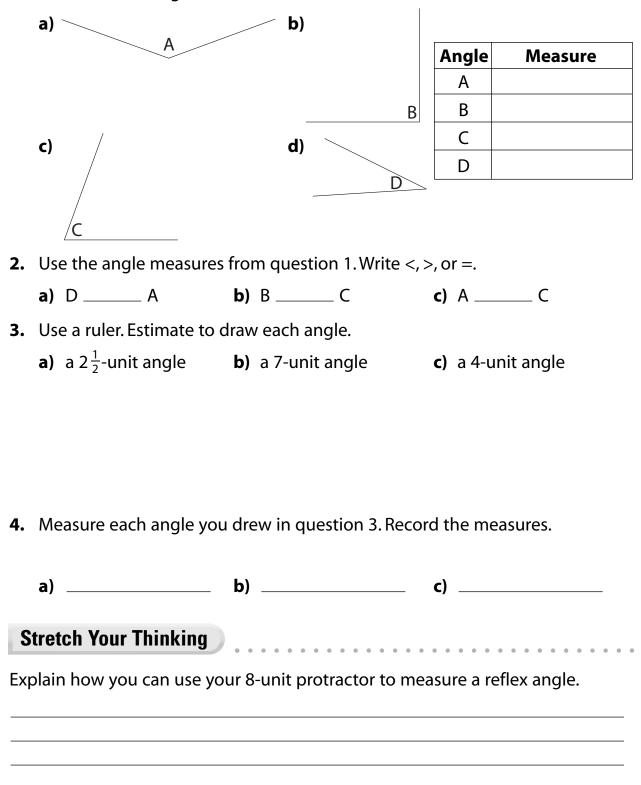


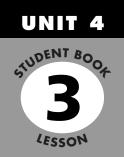
2. Use your protractor to measure the marked angle in each polygon below.



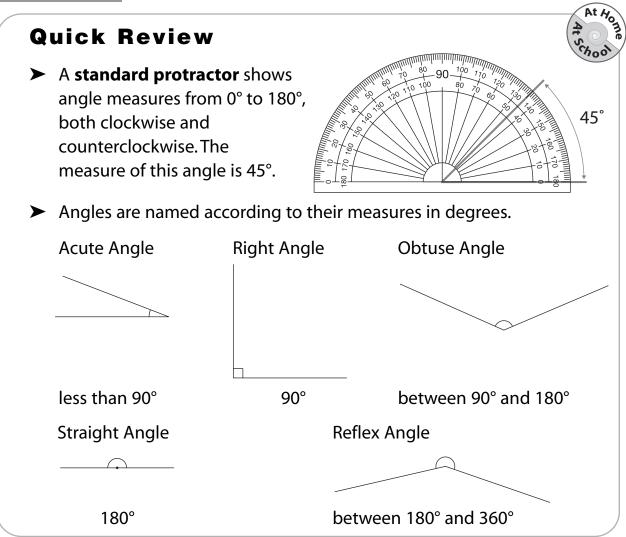
Use an 8-unit protractor.

1. Measure each angle. Record the measurements in the chart.



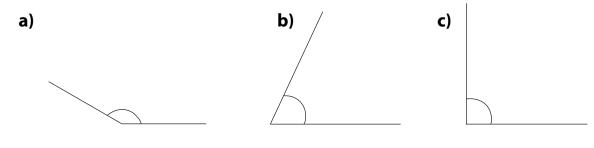


# **Measuring Angles**



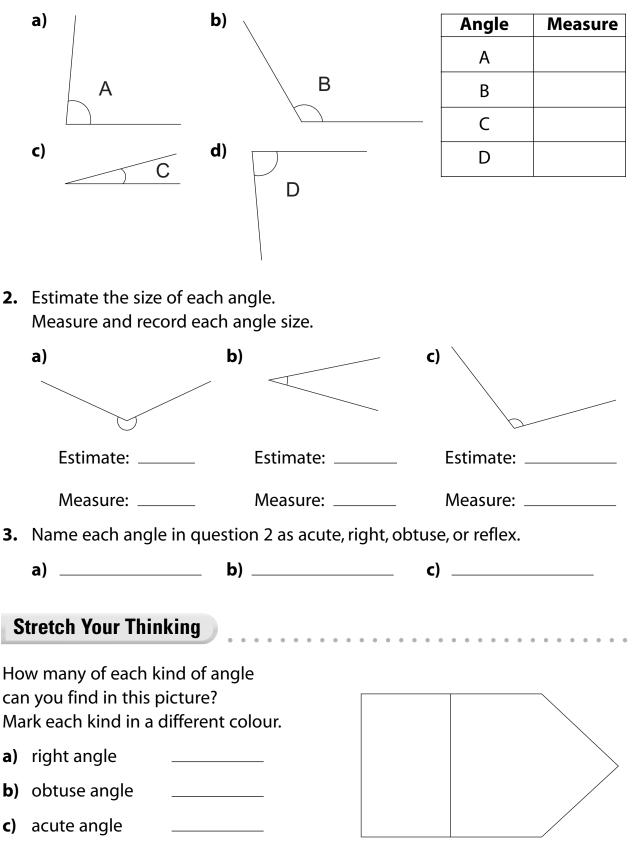
# Try These

**1.** Use a protractor to measure each angle. Record the measurements.



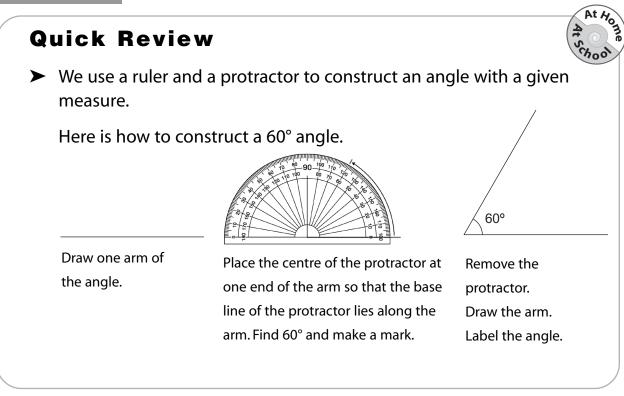
1. Measure each angle. Record the measurements in the chart.

. . . . . . . . . . . .





# **Drawing Angles**



### **Try These**

- Use a ruler and protractor.
  Draw an obtuse angle with each measure.
  - **a)** 135° **b)** 100° **c)** 167°

- 2. Use only a ruler. Estimate to draw each angle.
  - **a)** 75° **b)** 145° **c)** 50°

- Use a ruler and protractor.
  Draw an acute angle with each measure.
  - a) 55° b) 20° c) 38°

- 2. Use only a ruler. Estimate to draw each angle.
  - **a)** 90° **b)** 80° **c)** 150°

## Stretch Your Thinking

Without using a protractor, draw an angle that is close to 45°. Explain how you did it.