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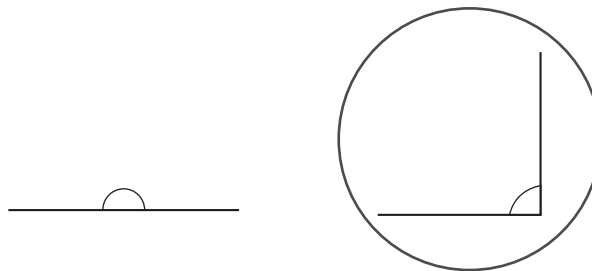
11 Angles

- identifying benchmark angles and their measures

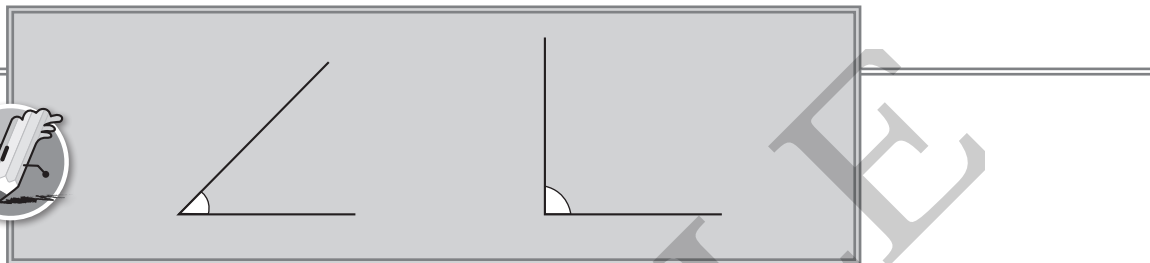
Read This

An angle is formed when two lines meet. Benchmark angles can be used to compare angles or form angles of different sizes. These include a right angle, half a right angle, and a straight angle.

Example Circle the right angle.



Try It

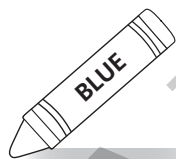


Trace the square below onto a piece of paper. Then cut it out and fold it to help identify benchmark angles. Colour each angle the correct colour.

①



right angle

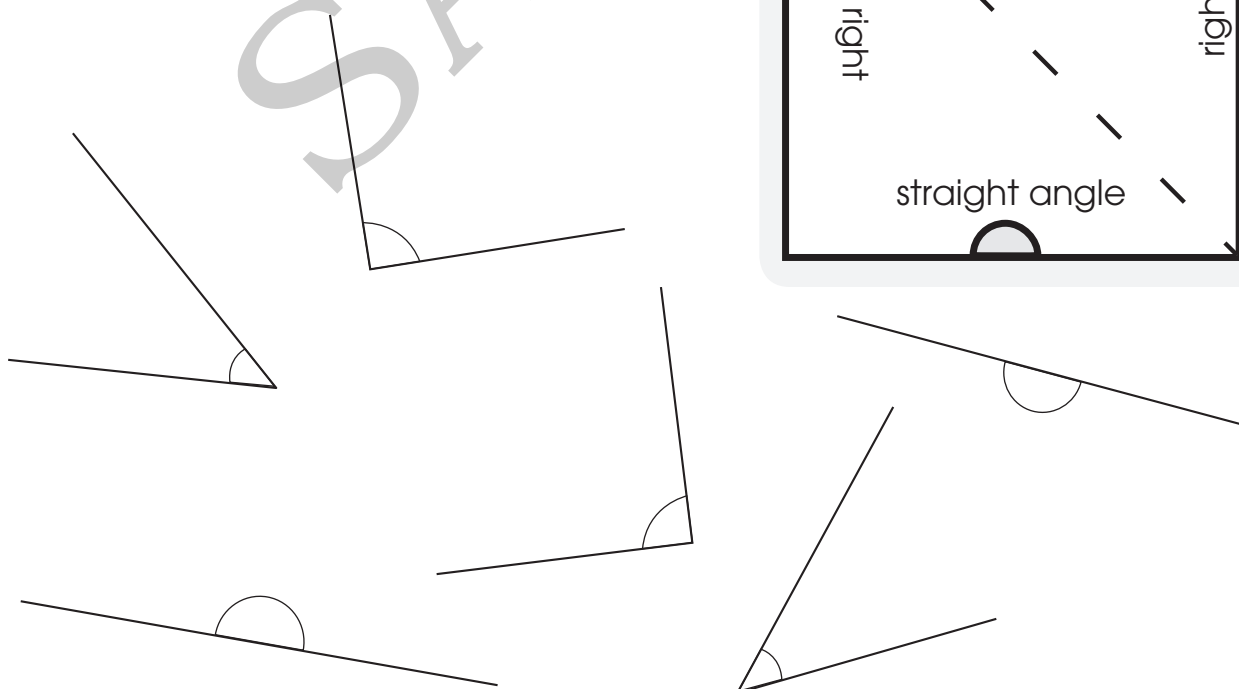
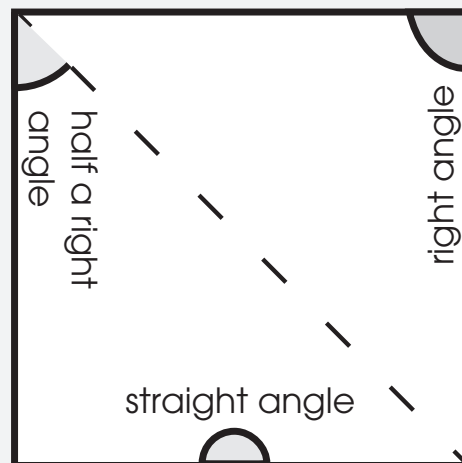


half a right angle



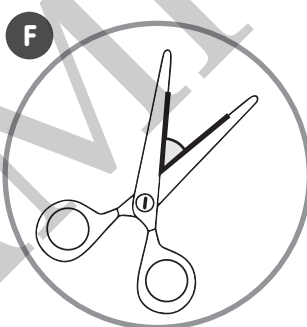
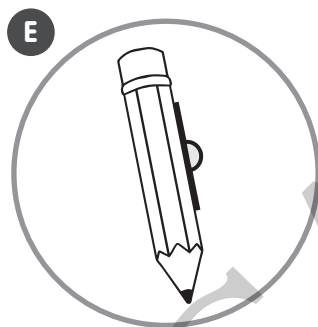
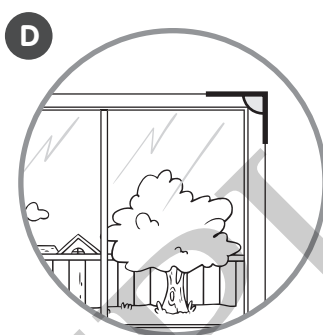
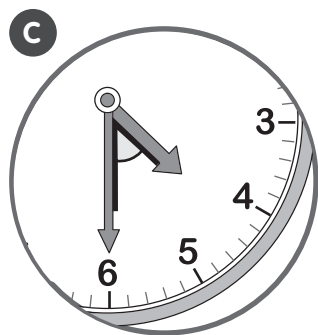
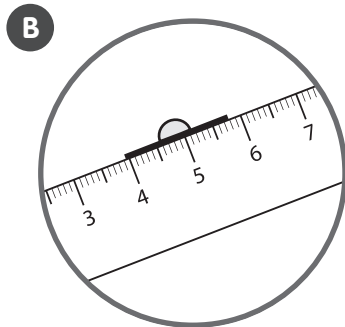
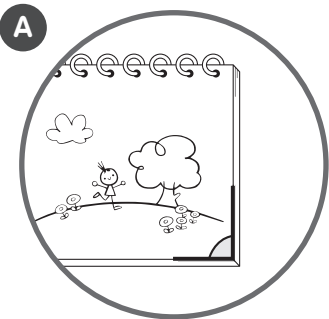
straight angle

Trace, cut, and fold.



Look at the pictures. Write the names of the benchmark angles. Then fill in the blanks with “greater” or “smaller”.

②



Angles

A _____

B _____

C _____

D _____

E _____

F _____

③ The angle that the hour hand and the minute hand make in

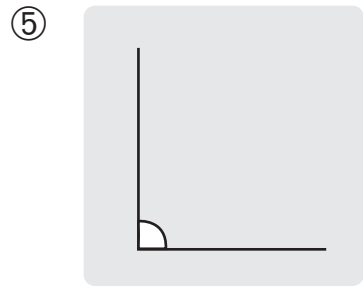
C is _____ than a right angle.

④

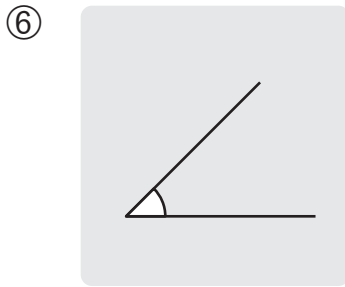
The corner of my sketch book is _____ than a straight angle but _____ than half a right angle.

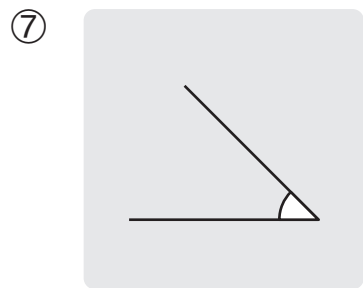


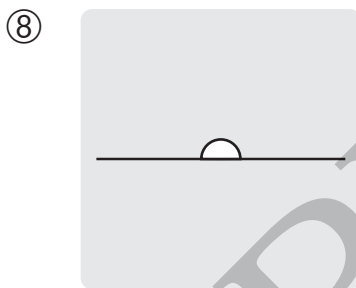
Write the measure of each angle.

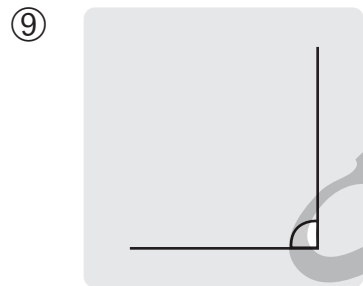


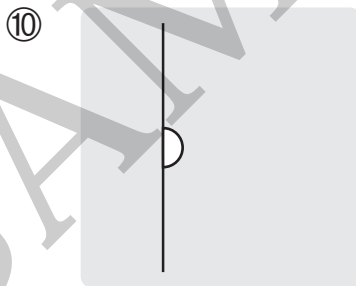
_____ °

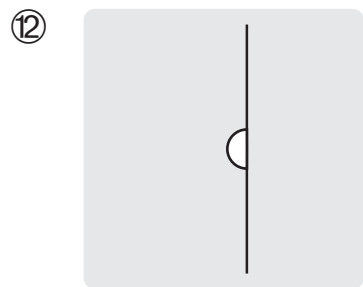


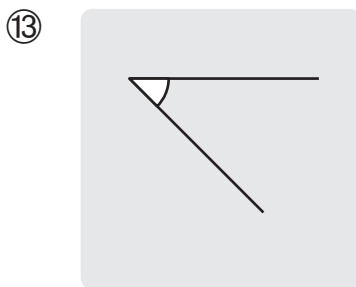


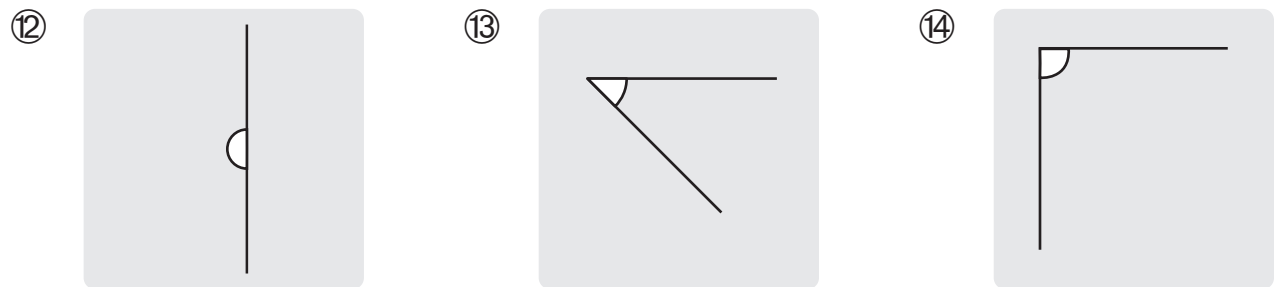






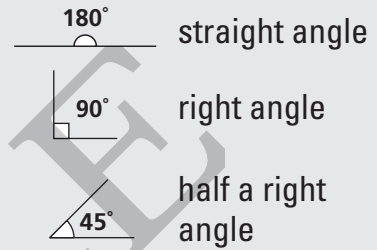






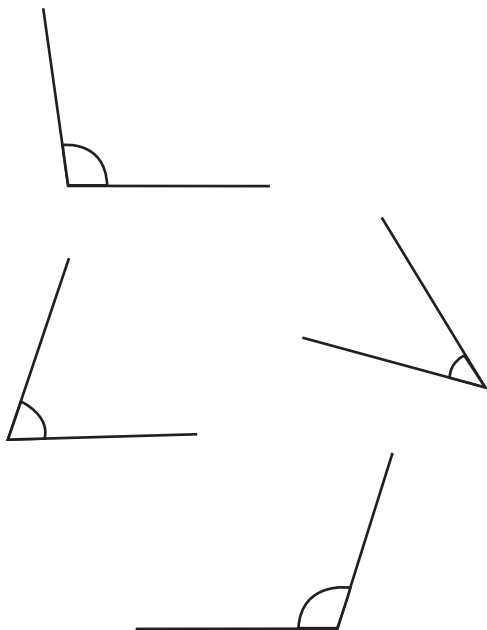


The size of an angle is measured in degrees ($^{\circ}$). The measures of the benchmark angles are shown below.

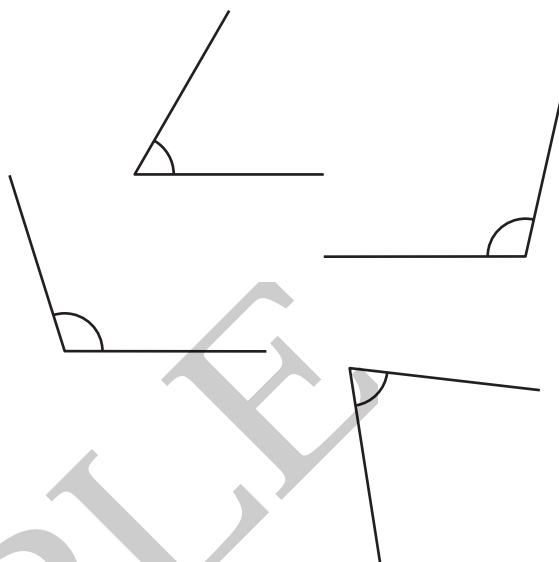


Circle the angles that fit each description.

⑮ smaller than a right angle



⑯ between half a right angle and a right angle



Help each child sketch the angle as described. Then answer the question.

⑰

My angle is smaller than half a right angle.



My angle is between the sizes of a right angle and a straight angle.



My angle is between the sizes of half a right angle and a right angle.



⑱ Whose angle is the smallest? Whose angle is the largest? Draw the faces.

smallest

largest