

# NCERT SOLUTIONS

CLASS - 5th



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Class : 5th  
Subject : Maths  
Chapter : 2  
Chapter Name : Shapes And Angles

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Q1 Look at the shape and answer.



The angle marked in \_\_\_\_\_ colour is the biggest angle.

Answer. All the angles in the figure are equal.

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- Q2 (a) Are the angles marked with yellow equal? \_\_\_\_\_  
(b) Are the angles marked with green equal? \_\_\_\_\_  
(c) Are the angles marked with blue equal? \_\_\_\_\_



(1)



(2)



(3)



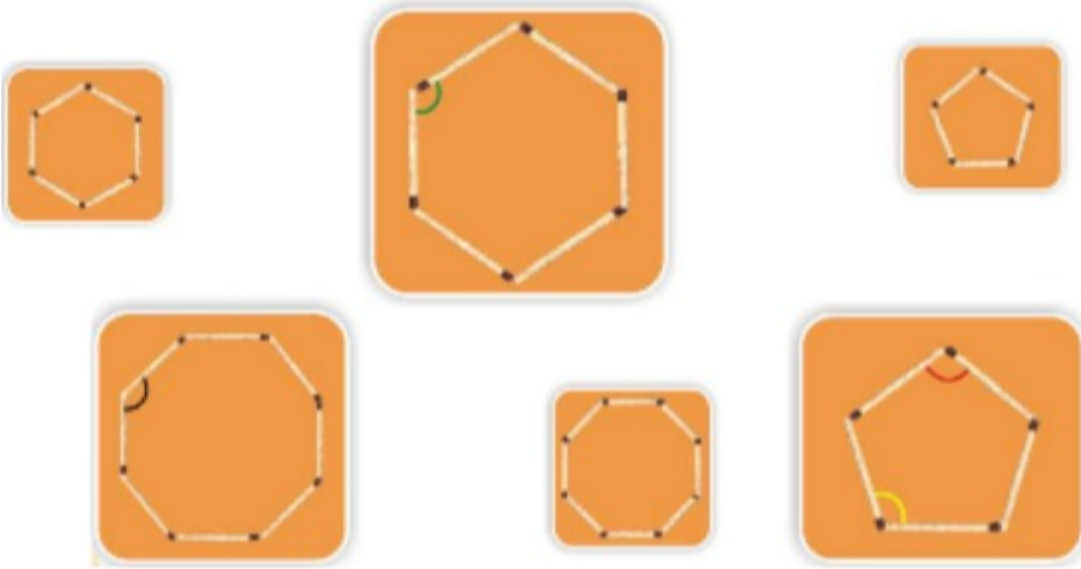
(4)

- Answer. (a) The angles marked with yellow are equal.  
(b) The angles marked with green are equal.  
(c) The angles marked with blue are equal.

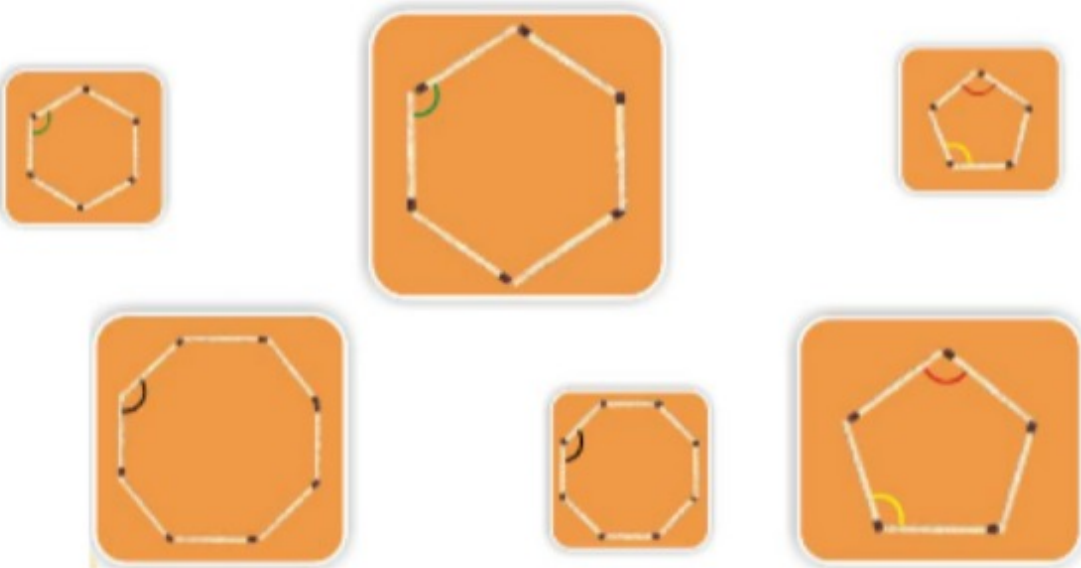
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Q3 Four different angles are marked in four colours. Can you find other angles which are the same

as the one marked in red? Mark them in red. Do this for the other colours.



Answer.



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Q4 How many different shapes can you make by changing the angle between the matchsticks in each of these? Try.

a)



4 matchsticks

b)



8 matchsticks

c)



5 matchsticks

d)



7 matchsticks

e)



10 matchsticks

Answer. Missing

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Q1 Go around with your tester and draw here those things in which the tester opens like the letter L. Are you sure they are all right angles?








Answer. Missing

Page : 21 , Block Name : Shapes And Angles

Q1 Look at the angles in the pictures and fill the table.

Angle	Right angle	More than a right angle	Less than a right angle
			✓
			
			
			
			

Answer.

Angle	Right angle	More than a right angle	Less than a right angle
			✓
	✓		
	✓		
		✓	
		✓	

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Q2 Sukhman made this picture with so many angles.



Use colour pencils to mark.

- right angles with black colour.
- angles which are more than a right angle with green.
- angles which are less than a right angle with blue.

Answer.





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Q3 Draw anything of your choice around the angle shown. Also write what kind of angle it is. The first one is done.



Less than a right angle



Answer. DIY

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Q1 Write 3 names using straight lines and count the angles.

Name	Number of right angles	Number of angles more than a right angle	Number of angles less than a right angle

Answer. Missing

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Q2



These are two slides in a park.

- (i) Which slide has a larger angle?
- (ii) Which slide do you think is safer for the little boy? Why?

Answer. (i) Slide 1 has a larger angle.

(ii) As slide 1 has a larger angle and steeper than slide 2, there will be more chances for the boy to get hurt while sliding on slide 1. Thus, slide 2 would be safer for the little boy than slide 1.

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Q1 Shapes and Towers Look for triangles in the pictures below.



(i) From the activity 'Changing Shapes' can you guess why triangles are used in these towers, bridges etc?

(ii) Look around and find out more places where triangles are used.

Answer. The triangles are used in the towers and bridges so as to make them strong. We know that a triangle is the strongest polygon out of all the other polygons. The angles can get changed in other polygons. However, in a triangle, the angles can not change once the triangle is built.

Page : 28 , Block Name : Shapes And Towers

Q1 There are many times in a day when the hands of a clock make a right angle. Now you draw some more.



Answer. Missing

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Q2 Write what kind of angle is made by the hands at these times. Also write the time.



Answer.



7:25

Less than  
right angle



8:15

More than  
right angle



9:10

More than  
right angle



9:25

More than  
right angle



10:00

Less than  
right angle

Page : 29 , Block Name : Angle And Time

Q3 Draw the hands of the clock when they make an angle which is less than a right angle. Also write the time.



Answer. Missing

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