



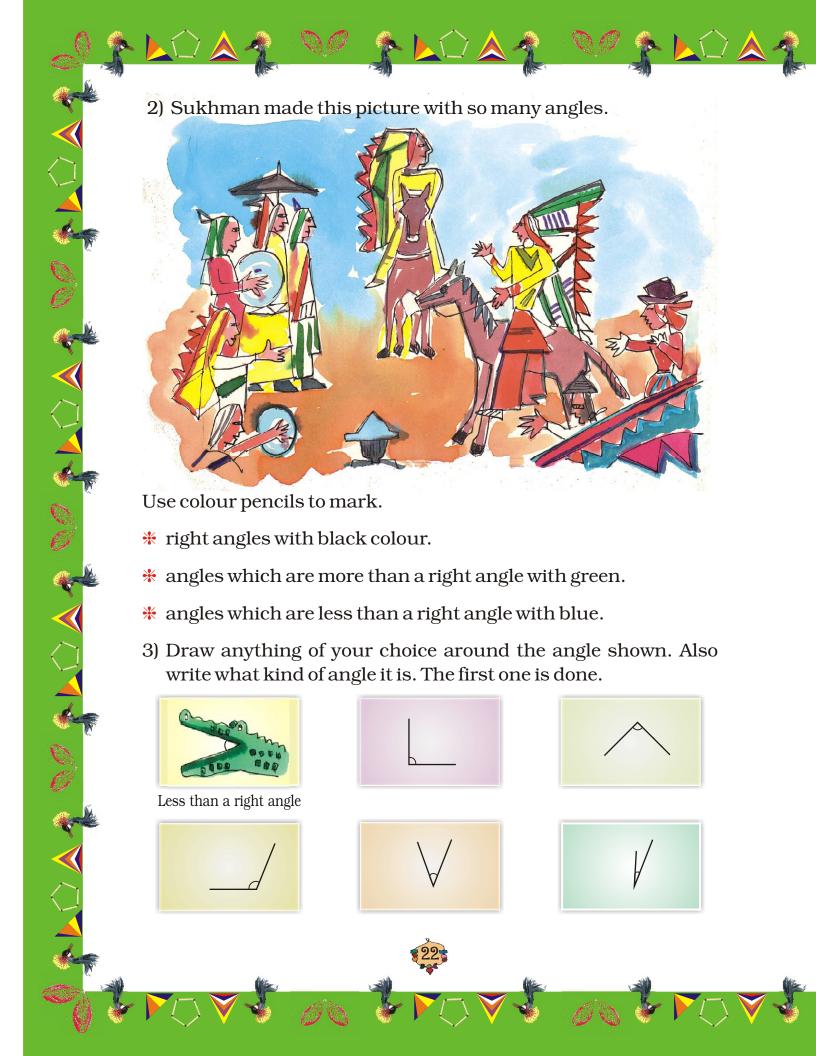
* Go around with your tester and draw here those things in which the tester opens like the letter L. Are you sure they are all right angles?

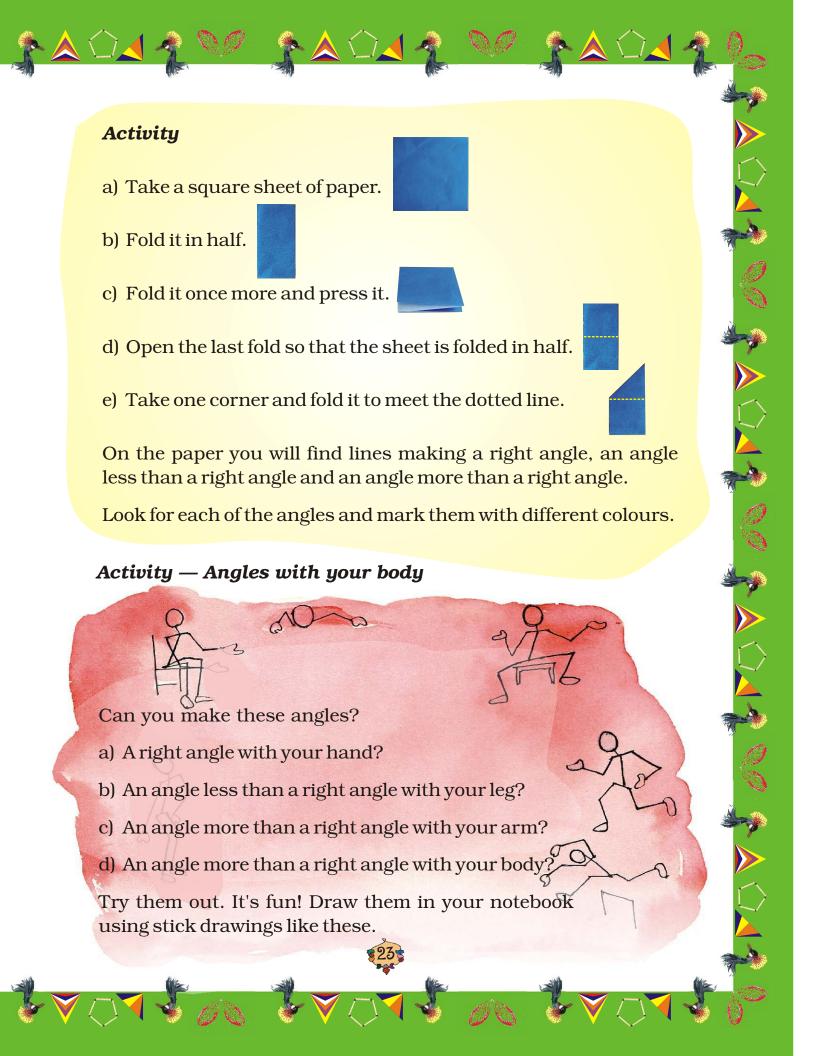


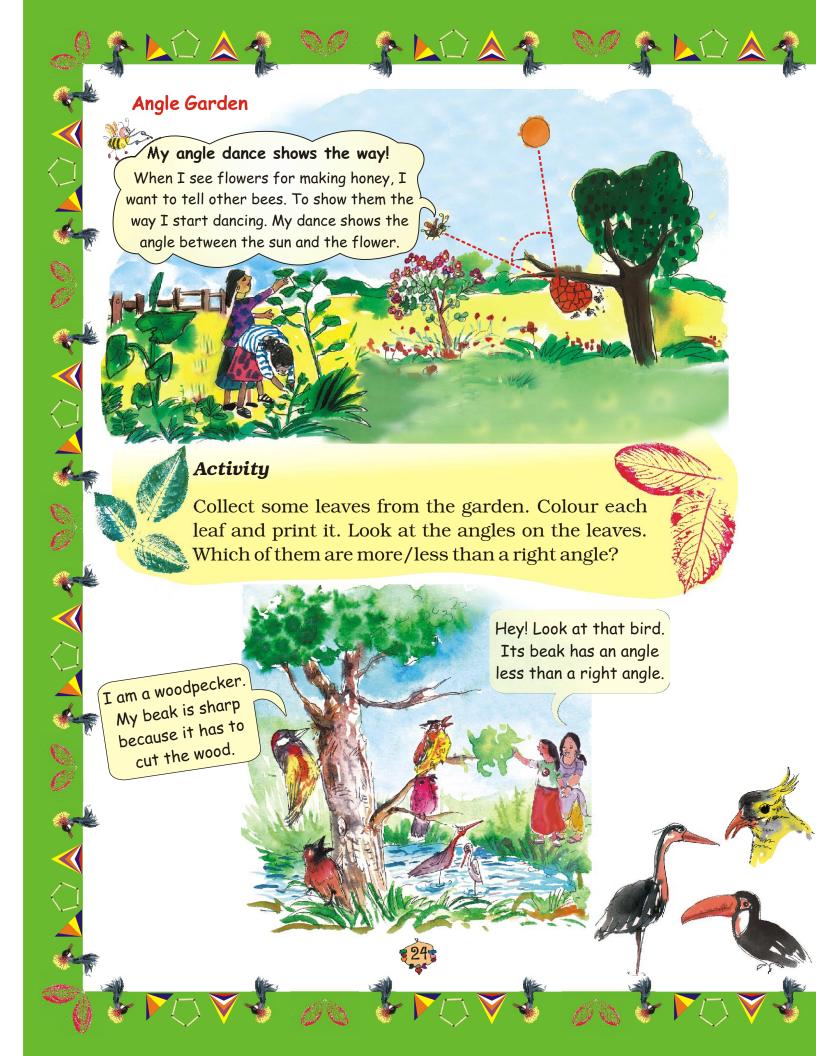
Practice time

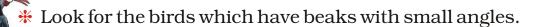
1) Look at the angles in the pictures and fill the table.

Angle	Right angle	More than a right angle	Less than a right angle
			/
X			
STOP			









* In the picture mark angles between the two branches. Which two branches have the biggest angle?

Angles in Names



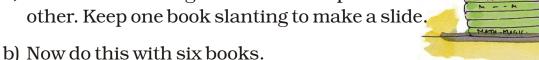
In my name there are 11 right angles. There are also 10 angles less than a right angle.

* 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

Activity

a) Put 10 Math-Magic books on top of each



- * Roll a ball from the top. From which slide does the ball roll down faster?
- * Which slide has the smaller angle?





These are two slides in a park.

- * Which slide has a larger angle?
- ★ Which slide do you think is safer for the little boy? Why?

Changing Shapes

- * Things you need used (or new) matchsticks. Piece of rubber tube used in cycle valves.
 - i) Clean the black end of the matchsticks.





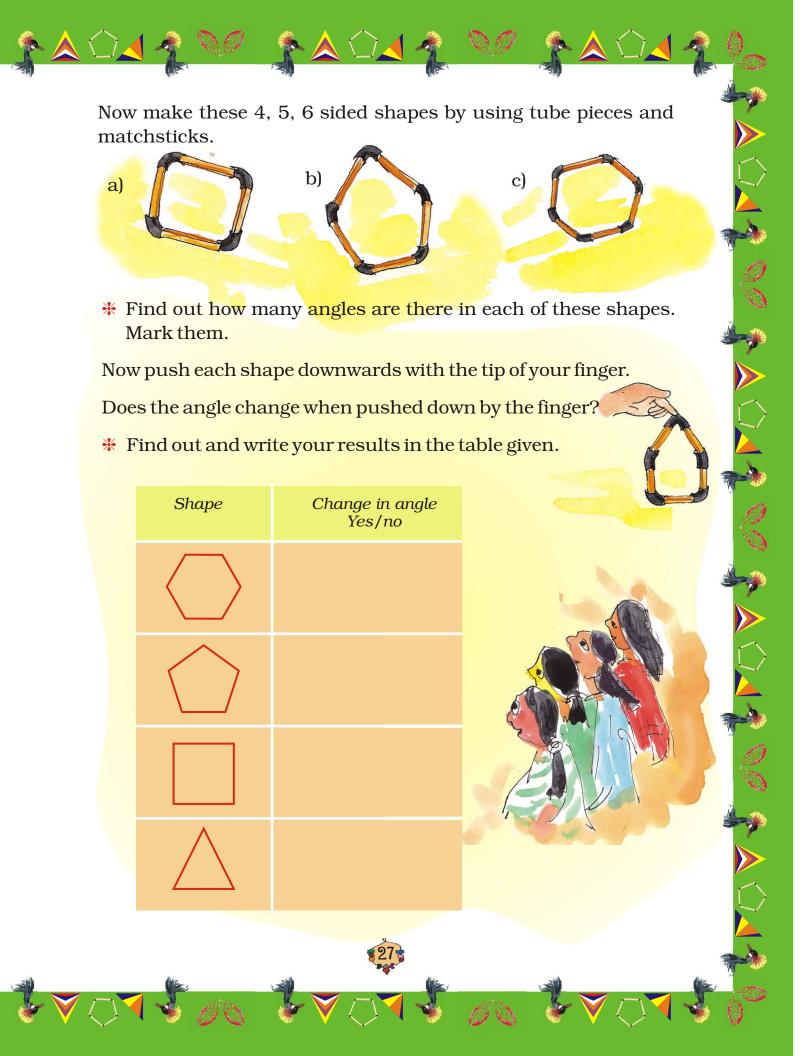
- ii) Cut small pieces of the tube (about 1 cm long).
- iii) Push two matchsticks into each end of a tube piece.





iv) Add more matchsticks to form a triangle.





Shapes and Towers

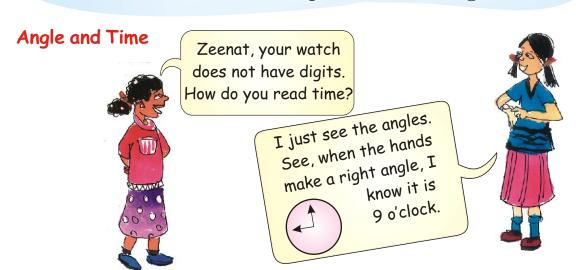
Look for triangles in the pictures below.







- * From the activity 'Changing Shapes' can you guess why triangles are used in these towers, bridges etc?
- * Look around and find out more places where triangles are used.



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

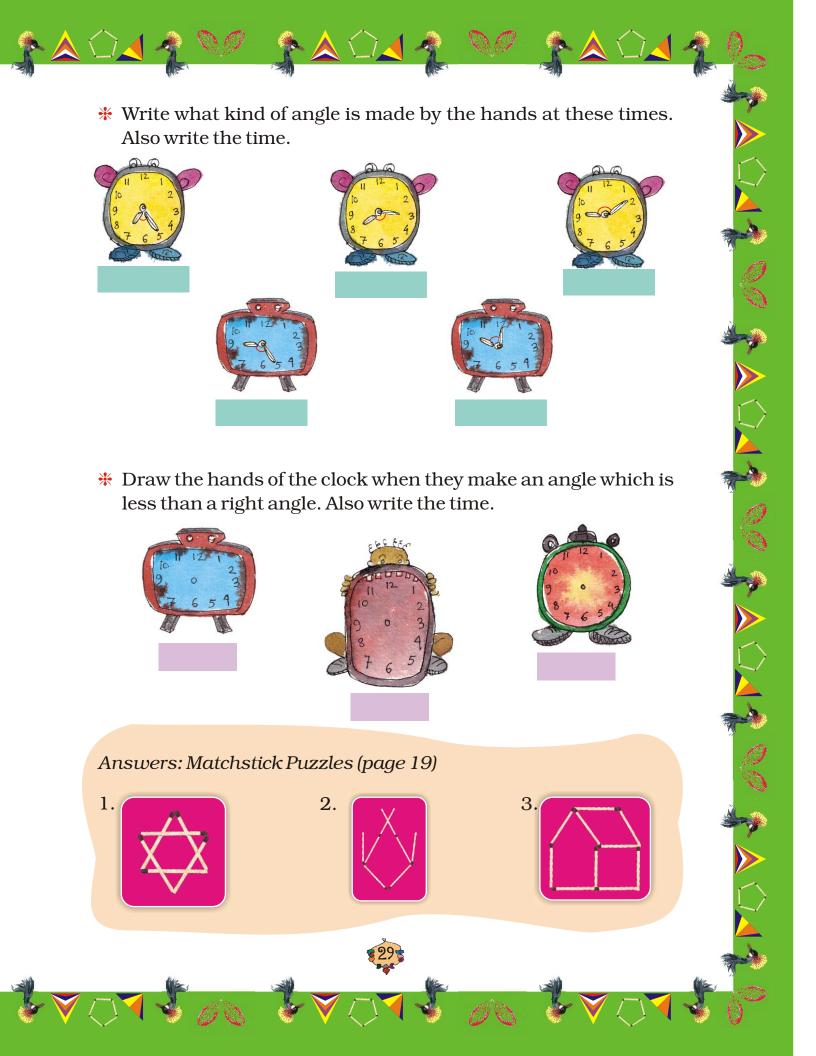




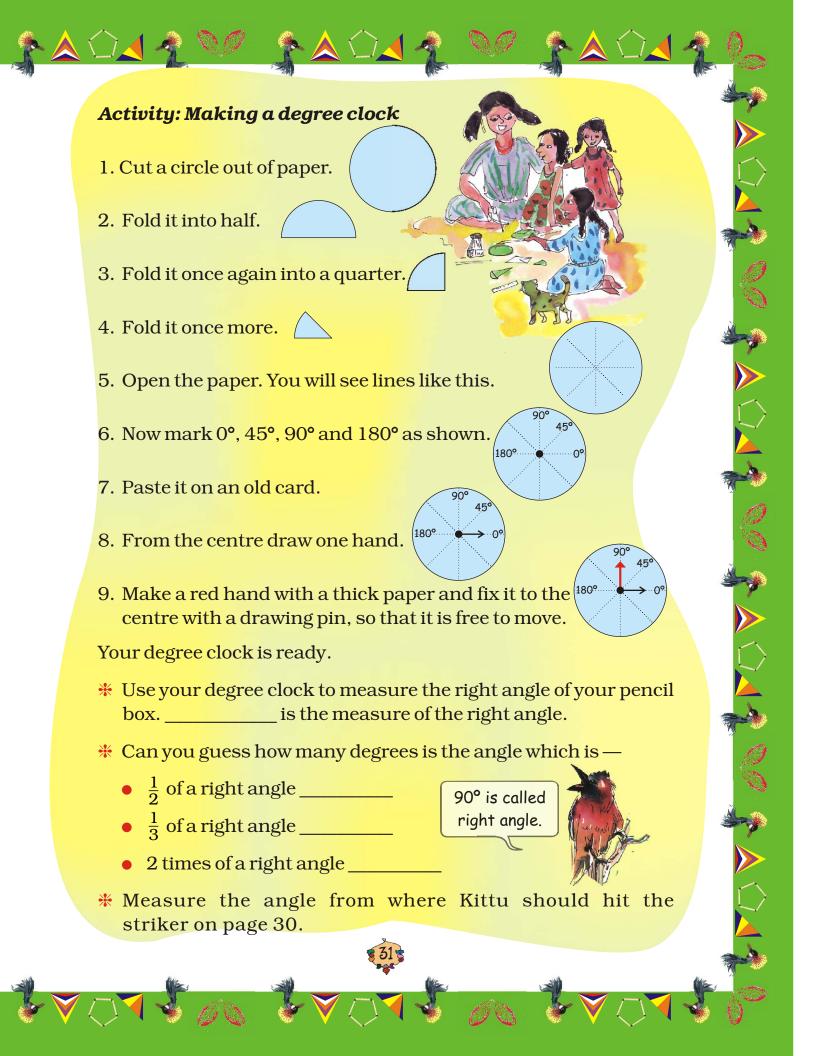


Triangles are shapes which are strong and do not change easily when pressed. In fact, children can also observe how different shapes are made stronger by using diagonal beams (like in the bridge) which divide shapes into triangles.

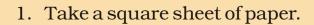








Angles in a Paper Aeroplane





2. Fold it in half and open it.



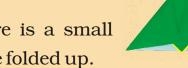
3. Fold the corners to the centre. Your paper looks like this.



4. Fold the green triangle such that P touches Q.



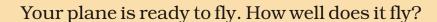
5. Fold the top two corners of this rectangle along the dotted lines.



- 6. Your paper will look like this. There is a small triangle in the picture which has to be folded up.
- 7. Turn it over and fold it in half along the dotted line.



- 8. Now, to make a wing fold the yellow edge over the red edge.
- 9. Turn it and do the same on the other side as well.



* Find the angles of 45° and 90° when you open your plane.

In the aeroplane there are folds of 45°, 90° and other angles. The cut-outs of 30° and 60° are on the last page of the book. Children can be encouraged to measure various angles around them.

Angles with Yoga

Rahmat is doing Yoga. These are the pictures of different 'Asanas' he does everyday.



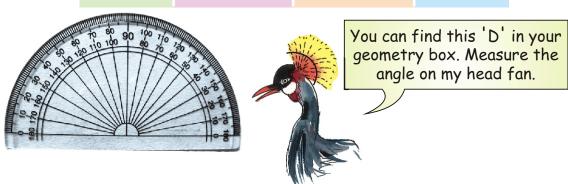
* Measure as many angles as you can made by different parts of the body while doing 'Asanas'.

The D Game

You can play the 'D' game with your friends. You draw an angle. Your friend will guess the measure of that angle. Then you use your 'D' to measure it. The difference between the measured angle and the guess will be your friend's score. The one with the lowest score will be the winner.

Come on, play!

Draw Angle	Guess	Measure	Score



Take this opportunity to introduce the 'D' (protractor). Children will need some help to read the measure of the angle, but they need to do so only approximately.

