What is there partly hidden by the man's hat? There is a board partly hidden by the man's hat.

Is there anything partly hidden by the man's hat? Yes there is something partly hidden by the man's hat.

Partly hidden by the man's hat is there anything? Yes partly hidden by the man's hat there is something.

What is it which is partly hidden by the man's hat? It is a board which is partly hidden by the man's hat.

What is a board? It is a piece of wood sawed thin.

What is the shape of the board which you see in the picture? The shape of the board which I see in the picture is square.

No, it is not square. What is a square? I don't know what it is, I thought it was a figure of the same shape as the board in the picture.

Tell me what a square is without mentioning the board in the picture? I cannot say what it is.

How many sides has a square? It has four sides

How many corners has a square? It has four corners.

Do you know another word that may be used instead of the word corners? Yes, the word angles may be used instead of corners.

What word is formed from the word angle. The word angular is formed from the word angle.

You say that a square has four sides and four angles or corners; is every figure having four sides and four angles a square? No for a figure having four sides and four angles to be a square, the four sides must be equal and the four angles must also be equal.

Then what is a square? A square is a figure having four equal sides and four equal angles.

Are angles or corners always equal? No, some are more open or more closed than others.

Have the angles in a square a name? Yes, they are called right-angles.

A figure all the angles of which are right-angles is called a rectangle; what then is a square?

A square is a rectangle of which the sides are equal.

Are all square rectangles? Yes, they are rectangles.

Why are they rectangles? They are rectangles because they have four right-angles.

Are all rectangles squares? No, all rectangles are not squares.

It is singular, you said that all squares are rectangles and now you say that all rectangles are not squares, how do you explain the contradiction? All horses are animals, are they not? Does it follow that all animals are horses? A rectangle which has four equal sides is a square. A rectangle whose length is greater than its height or breadth is not a square, because its four sides are not equal.