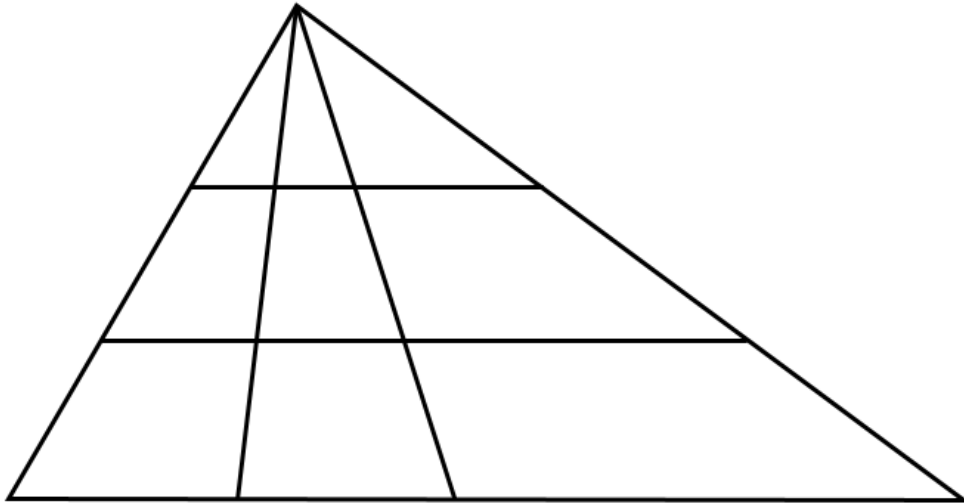
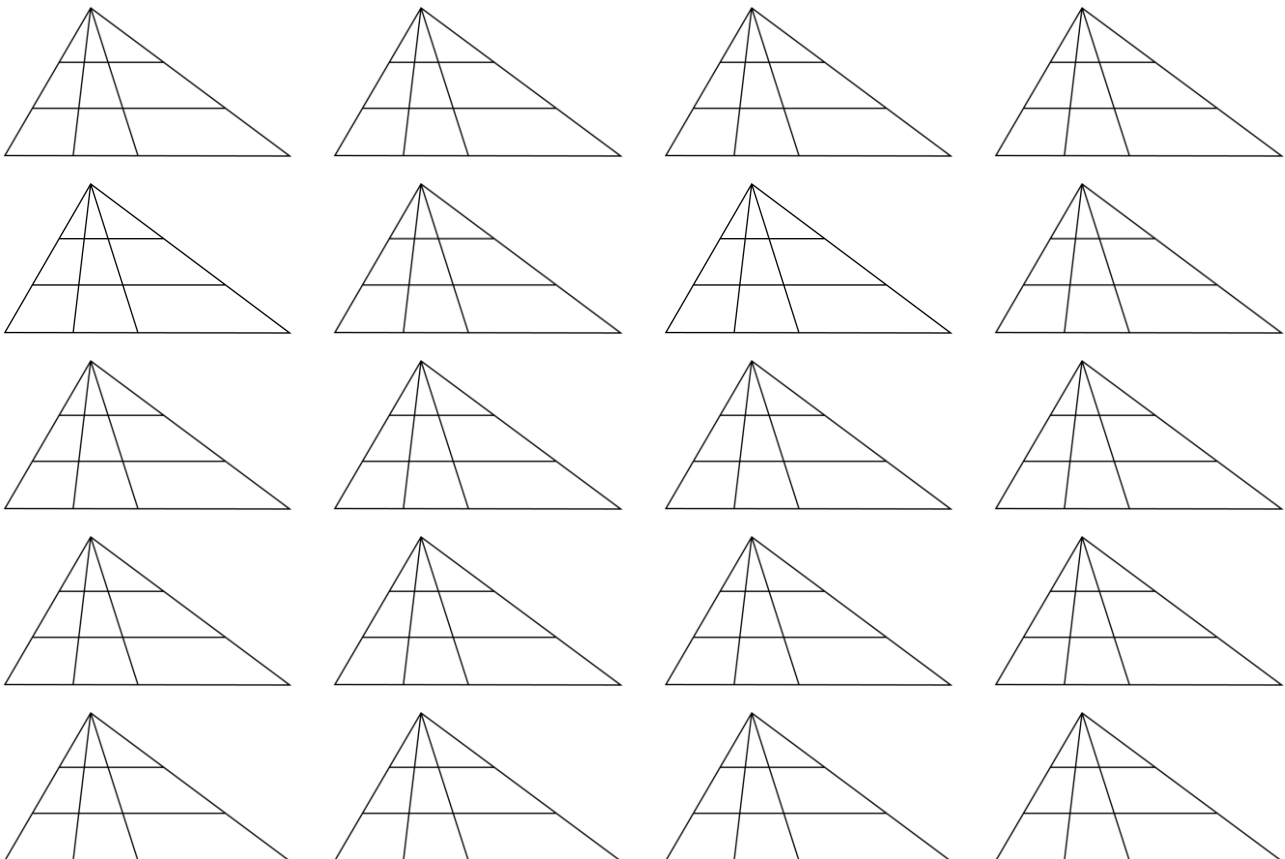


## How Many Triangles?

How many triangles can you find in this picture?



You might want to use the pictures below to mark or colour in the ones you find to help you remember.



# KS1 Problem

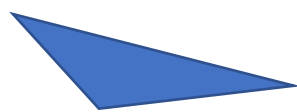
## Support for Parents and Carers

Ask children what a triangle is and how they will recognise one. Remind them that it has three sides and three vertices (corners).

Many children are familiar with a triangle when it looks like this:



but are less familiar when it looks different, like these:

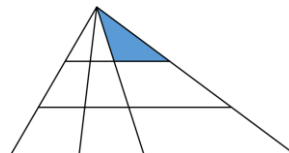
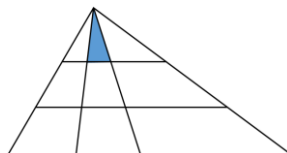
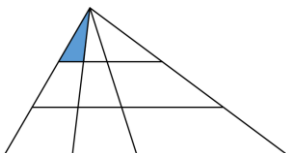


Encourage your child to use the extra pictures to shade, colour in or draw around the triangles they find. This will help them to keep track. They may be quite random in the solutions they find. To help them work out whether they have found all possibilities, it may help to cut up the smaller triangles and rearrange them into groups that are similar, such as triangles made down the left hand side, triangles made out of three parts etc.

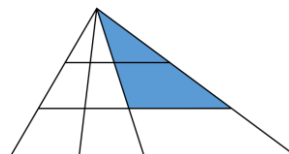
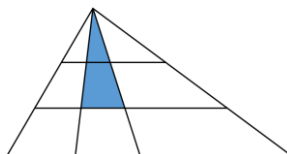
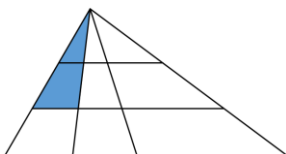
## Solution

There are 18 different triangles that can be found in the picture.

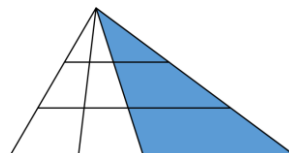
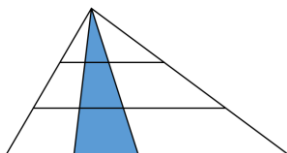
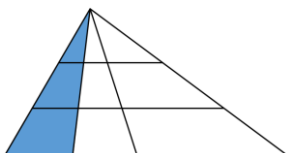
These triangles are all made from one piece of the shape:



These triangles are all made from two pieces of the shape:

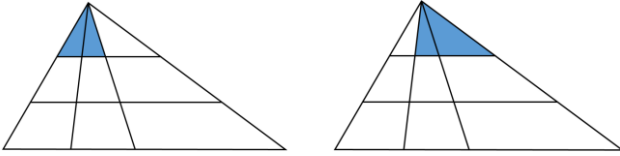


These triangles are all made from three pieces of the shape:

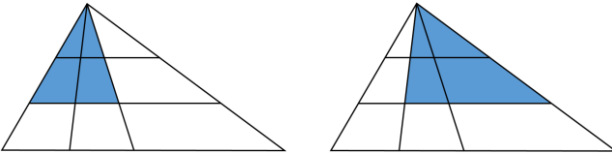


# KS1 Problem

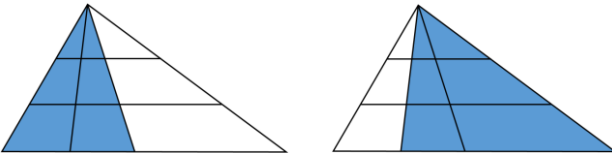
These triangles are all made from two pieces of the shape going across the top:



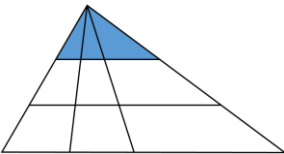
These triangles are all made from four pieces of the shape:



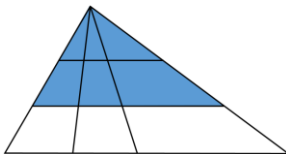
These triangles are all made from six pieces of the shape:



This triangle is made from three pieces of the shape going across the top:



This triangle is made from six pieces of the shape:



This triangle is made from all of the pieces of the shape:

