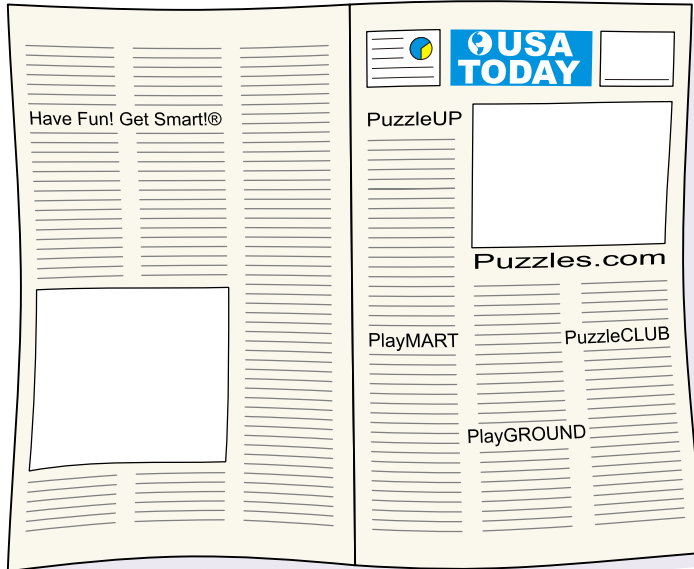
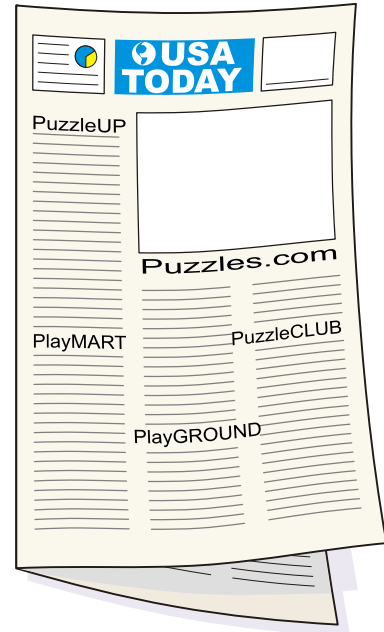


Treasure of Classic  
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## Toys



1



2

## News Folder

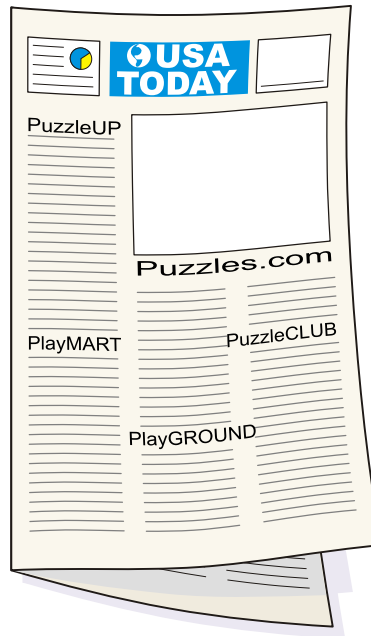
Take a newspaper sheet of big size (for example USA TODAY), see Figure 1. Fold it in half as shown in Figure 2.

Now guess how many times you will be able to fold this newspaper sheet folding it every time across in half?

Then do it really as many times as you can, and compare your results with your guess.

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## Toys



## News Folder (explanation)

When you fold the newspaper its area is halved each time. At the same time the pile's thickness is doubled and grows rapidly.

So after the first seven folds a pile has its area very small (only  $1/128$ ) of the full sheet's area, and its thickness is 128 times more. So it's a very hard task to fold so small and so thick pile for the eighth time, and almost impossible to do the ninth fold.

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