



For this challenge, you will need to print out a set of [triangle cards](#).

The first part is a game for two or more players (you could play in teams of two); then there are some questions you can think about.

This type of game is played with lots of different sorts of cards; you might have heard it called Matching Pairs.

To play this game:

- Shuffle the cards and then lay them face down on the table, arranged in rows.
- Players take it in turns to turn over two cards. If the player can draw a triangle with the two properties shown, then they take the cards. If not, once all the players have had a chance to look at the two cards and see where they are placed, the cards are turned back over.
- The game finishes when no matter which two cards are turned over, there is no triangle with both of those properties.
- The winner is the person with the most cards at the end of the game. Of course it will help you if you can remember where the cards are!

Play the game several times to get a feel for it.

Are there some cards that are particularly 'good'? Why?

Are there some cards that are particularly 'bad'? Why?