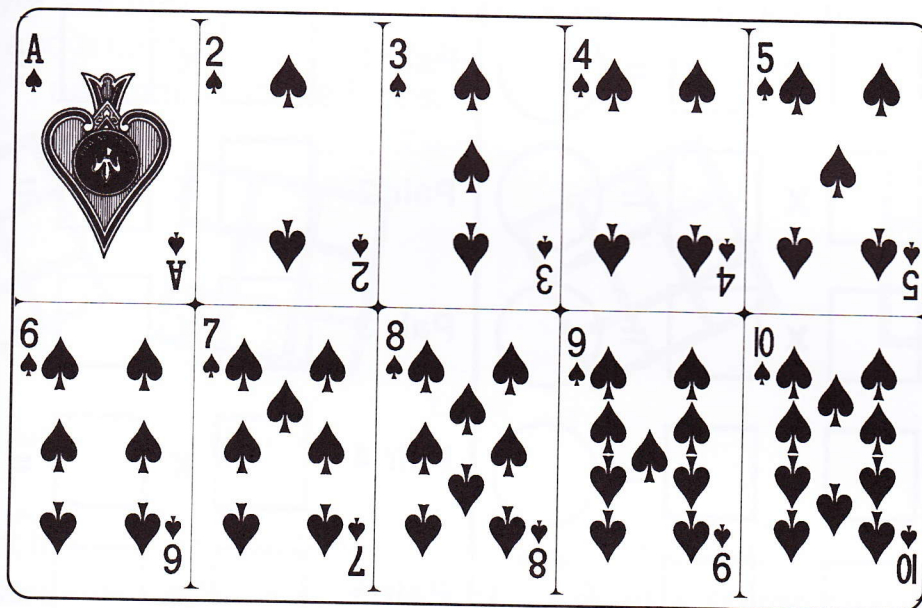


SECRET PAIRS

This activity is carried out in pairs. Each person will need a set of 10 playing cards Ace to 10 and a recording sheet.

(Ace = 1)



Player A shuffles his/her 10 cards and arranges them into 5 random pairs, but does not disclose these pairs.

He/she then writes only the **product** of each pair in the circles on the next page.

For example, if the pairs were:

3 and 7

21

i.e. 3×7

Write 21 in the circle.

4 and Ace

4

i.e. 4×1

Write 4 in the circle.

8 and 2

16

i.e. 8×2

Write 16 in the circle.

6 and 9

54

i.e. 6×9

Write 54 in the circle.

10 and 5

50

i.e. 10×5

Write 50 in the circle.

Player B must use the information given in the circles and try to arrange his / her 10 cards in the same pairs as Player A.

Players then swap roles.

SECRET PAIRS RECORDING SHEET

Name _____ Year level _____ Date _____

<p>Pair 1 <input style="width: 40px; height: 30px;" type="text"/> x <input style="width: 40px; height: 30px;" type="text"/> = <input style="width: 40px; height: 30px;" type="text"/></p> <p>Pair 2 <input style="width: 40px; height: 30px;" type="text"/> x <input style="width: 40px; height: 30px;" type="text"/> = <input style="width: 40px; height: 30px;" type="text"/></p> <p>Pair 3 <input style="width: 40px; height: 30px;" type="text"/> x <input style="width: 40px; height: 30px;" type="text"/> = <input style="width: 40px; height: 30px;" type="text"/></p> <p>Pair 4 <input style="width: 40px; height: 30px;" type="text"/> x <input style="width: 40px; height: 30px;" type="text"/> = <input style="width: 40px; height: 30px;" type="text"/></p> <p>Pair 5 <input style="width: 40px; height: 30px;" type="text"/> x <input style="width: 40px; height: 30px;" type="text"/> = <input style="width: 40px; height: 30px;" type="text"/></p>	<p>Pair 1 <input style="width: 40px; height: 30px;" type="text"/> x <input style="width: 40px; height: 30px;" type="text"/> = <input style="width: 40px; height: 30px;" type="text"/></p> <p>Pair 2 <input style="width: 40px; height: 30px;" type="text"/> x <input style="width: 40px; height: 30px;" type="text"/> = <input style="width: 40px; height: 30px;" type="text"/></p> <p>Pair 3 <input style="width: 40px; height: 30px;" type="text"/> x <input style="width: 40px; height: 30px;" type="text"/> = <input style="width: 40px; height: 30px;" type="text"/></p> <p>Pair 4 <input style="width: 40px; height: 30px;" type="text"/> x <input style="width: 40px; height: 30px;" type="text"/> = <input style="width: 40px; height: 30px;" type="text"/></p> <p>Pair 5 <input style="width: 40px; height: 30px;" type="text"/> x <input style="width: 40px; height: 30px;" type="text"/> = <input style="width: 40px; height: 30px;" type="text"/></p>
<p>Pair 1 <input style="width: 40px; height: 30px;" type="text"/> x <input style="width: 40px; height: 30px;" type="text"/> = <input style="width: 40px; height: 30px;" type="text"/></p> <p>Pair 2 <input style="width: 40px; height: 30px;" type="text"/> x <input style="width: 40px; height: 30px;" type="text"/> = <input style="width: 40px; height: 30px;" type="text"/></p> <p>Pair 3 <input style="width: 40px; height: 30px;" type="text"/> x <input style="width: 40px; height: 30px;" type="text"/> = <input style="width: 40px; height: 30px;" type="text"/></p> <p>Pair 4 <input style="width: 40px; height: 30px;" type="text"/> x <input style="width: 40px; height: 30px;" type="text"/> = <input style="width: 40px; height: 30px;" type="text"/></p> <p>Pair 5 <input style="width: 40px; height: 30px;" type="text"/> x <input style="width: 40px; height: 30px;" type="text"/> = <input style="width: 40px; height: 30px;" type="text"/></p>	<p>Pair 1 <input style="width: 40px; height: 30px;" type="text"/> x <input style="width: 40px; height: 30px;" type="text"/> = <input style="width: 40px; height: 30px;" type="text"/></p> <p>Pair 2 <input style="width: 40px; height: 30px;" type="text"/> x <input style="width: 40px; height: 30px;" type="text"/> = <input style="width: 40px; height: 30px;" type="text"/></p> <p>Pair 3 <input style="width: 40px; height: 30px;" type="text"/> x <input style="width: 40px; height: 30px;" type="text"/> = <input style="width: 40px; height: 30px;" type="text"/></p> <p>Pair 4 <input style="width: 40px; height: 30px;" type="text"/> x <input style="width: 40px; height: 30px;" type="text"/> = <input style="width: 40px; height: 30px;" type="text"/></p> <p>Pair 5 <input style="width: 40px; height: 30px;" type="text"/> x <input style="width: 40px; height: 30px;" type="text"/> = <input style="width: 40px; height: 30px;" type="text"/></p>

This page can be photocopied for classroom use.