

# RESULTS

Your table should look like this!

MARKER	Cigarette – Mr Baker?	Hat – Son?	NUMBER SHARED BY Mr Baker & SON?	MATCH? YES OR NO
<b>1</b>	14, 16	16, 17	16	YES
<b>2</b>	16, 17	16, 20	16	YES
<b>3</b>	12, 13	12, 15	12	YES
<b>4</b>	19, 24	17, 24	24	YES
<b>5</b>	14, 16	13, 14	14	YES
<b>6</b>	28, 35	22, 35	35	YES
<b>7</b>	15, 19	15, 20	15	YES
<b>8</b>	12, 13	12, 17	12	YES
<b>9</b>	7, 11	11, 15	11	YES
<b>10</b>	22, 23	20, 23	23	YES

We can see at **every** marker one of the numbers is shared by the people being tested. There is a 'match' at **every** marker. These results show there is very good evidence that Mr Baker and the second man tested (DNA from the hat) are related as 'father and son'. The son has inherited 'half' his DNA from his father.

In real life scientists test a minimum of 16 markers to establish whether two males are related as father and son!