# Growth Scatter Graph

An Amazing Fact a Day

Of all your body parts, your eyes grow least between the time you are born and the time you are fully grown. Your nose and ears keep growing throughout your lifetime.

You could try to find out:

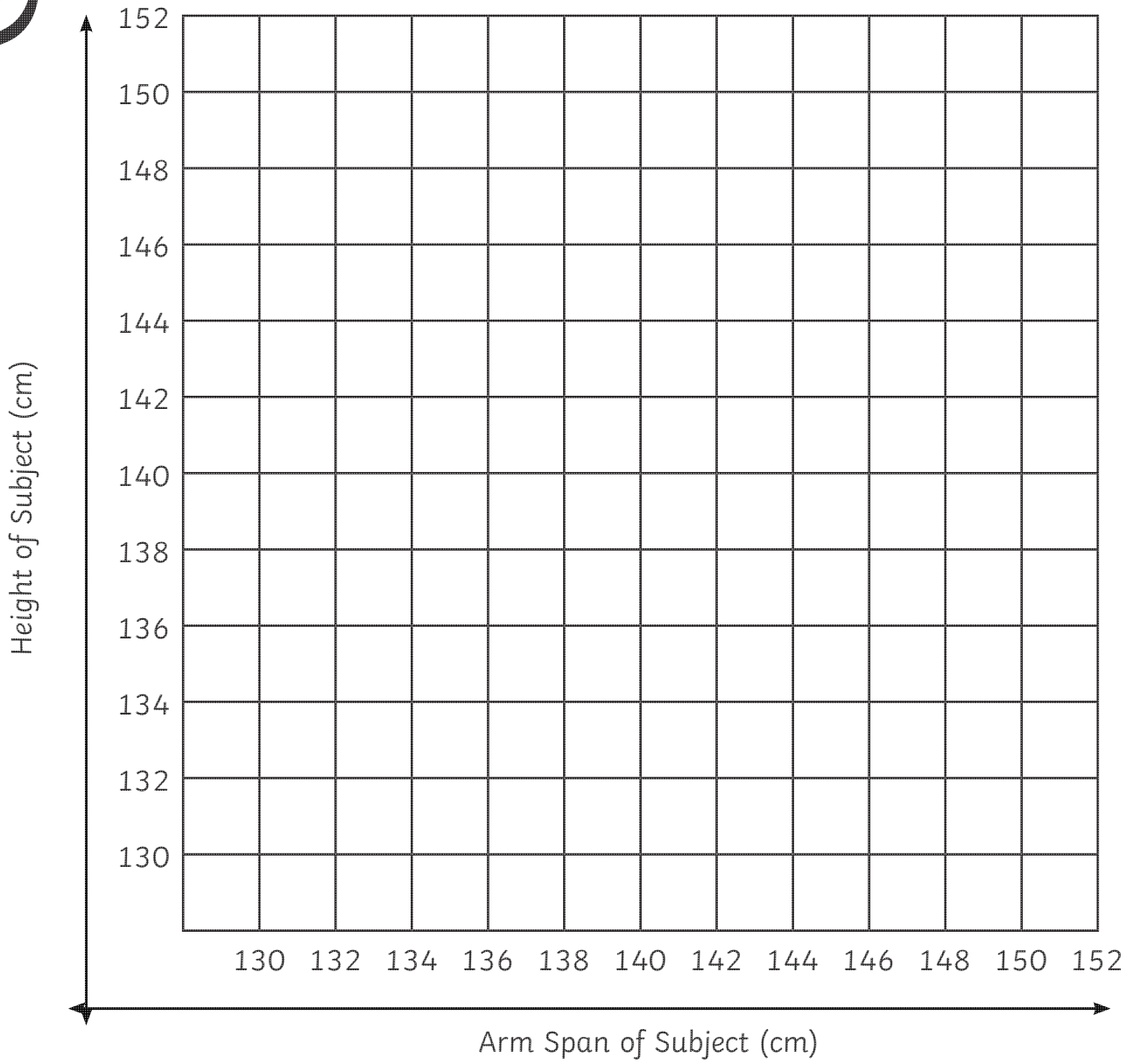
- what causes noses and ears to continue growing;
- at what age people stop growing on average;
- what the biggest recorded growth spurt in a year is;
- who the tallest ever man and woman were.

Scatter diagrams are used to represent and compare two sets of data. By looking at a scatter diagram, we can see whether there is any connection (correlation) between the two sets of data.

Plot each subject's data onto the graph below to create a scatter diagram. Use an x to mark the position of each subject.

| Subject | Height | Arm Span |
|---|---|---|
| 1 | 142cm | 136cm |
| 2 | 148cm | 146cm |
| 3 | 152cm | 143cm |
| 4 | 150cm | 145cm |
| 5 | 141cm | 136cm |
| 6 | 142cm | 139cm |
| 7 | 149cm | 144cm |
| 8 | 151cm | 148cm |
| 9 | 147cm | 147cm |
| 10 | 151cm | 141cm |

| Subject | Height | Arm Span |
|---|---|---|
| 11 | 150cm | 144cm |
| 12 | 152cm | 141cm |
| 13 | 148cm | 144cm |
| 14 | 152cm | 148cm |
| 15 | 144cm | 140cm |
| 16 | 148cm | 143cm |
| 17 | 150cm | 146cm |
| 18 | 138cm | 134cm |
| 19 | 145cm | 142cm |
| 20 | 142cm | 138cm |




Look carefully at the position of the subjects. Can you see any correlation/pattern within the data? What does this pattern tell us?