

12th August

Corbettmaths

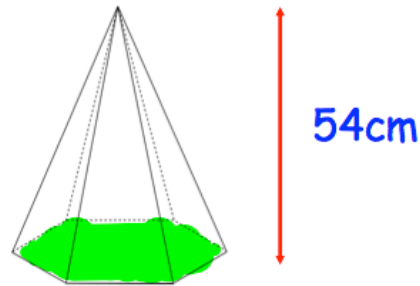
An internet company collected data about the number of internet devices in each of 50 households. The table shows the results.

| Number of devices | Number of households |
|-------------------|----------------------|
| 0 | 1 |
| 1 | 1 |
| 2 | 2 |
| 3 | 4 |
| 4 | 9 |
| 5 | 13 |
| 6 | 10 |
| 7 | 7 |
| 8 | 3 |

Work out the total number of internet devices in these 50 households

Calculate the mean number of internet devices per household.

A hexagon-based pyramid has a height of 54cm. The volume of the pyramid is 1080cm^3 . Calculate the area of the base of the pyramid.



7.8 has been truncated to one decimal place.

Write down an inequality to show the range of possible actual values.

A line has gradient 3 and passes through the point (1, 8)

Find the equation of the line.