|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **6 digit number** | **Rounded to the nearest 10** | **Rounded to the nearest 100** | **Rounded to the nearest 1,000** | **Rounded to the nearest 10,000** |
| 234,219 |  |  |  |  |
| 326,329 |  |  |  |  |
| 742,314 |  |  |  |  |
| 456,322 |  |  |  |  |
| 552,645 |  |  |  |  |
| 736,982 |  |  |  |  |
| 982,092 |  |  |  |  |
| 372,004 |  |  |  |  |

Amy has 234,218 leaflets and Martin has 237,218. Approximately how many do they have altogether? Show your working.

Did you round the numbers to the nearest 10, 100, 1,000 or 10,000?

Why?

Explain the effect of rounding your numbers to larger amounts e.g. 1,000 or 10,000. (think about how reliable your approximations are).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **6 digit number****Example:****328,283** | **Rounded to the nearest 10****328,283** | **Rounded to the nearest 100****328,283** | **Rounded to the nearest 1,000****328,283** | **Rounded to the nearest 10,000****328,283** |
| 234,219 |  |  |  |  |
| 326,329 |  |  |  |  |
| 742,314 |  |  |  |  |
| 456,322 |  |  |  |  |
| 552,645 |  |  |  |  |
| 736,982 |  |  |  |  |
| 982,092 |  |  |  |  |
| 372,004 |  |  |  |  |

Amy has 234,218 leaflets and Martin has 237,218. *Rounding the amount to the nearest 1,000*, approximately how many do they have altogether?

Show your working.

|  |  |  |  |
| --- | --- | --- | --- |
| **Number** | **Rounded to the nearest 10****Look at the units!** | **Rounded to the nearest 100****Look at the tens!** | **Rounded to the nearest 1,000****Look at the hundreds!** |
| 923 |  |  |  |
| 729 |  |  |  |
| 1,294 |  |  |  |
| 5,218 |  |  |  |
| 3,908 |  |  |  |
| 23,593 |  |  |  |
| 83,256 |  |  |  |
| 421,593 |  |  |  |

Top tip:

* **When you round up (5 and above) the column on the left will change by 1.**
* **When you round down, (4 or below) the column on the left stays the same!**