# Maths

LI: To round numbers up to 7 digits

C: To the nearest 10, 100, 1000, 10,000

Danny makes the number 712,458 from the digit cards on the desk.

Round the number to the nearest 100,000.

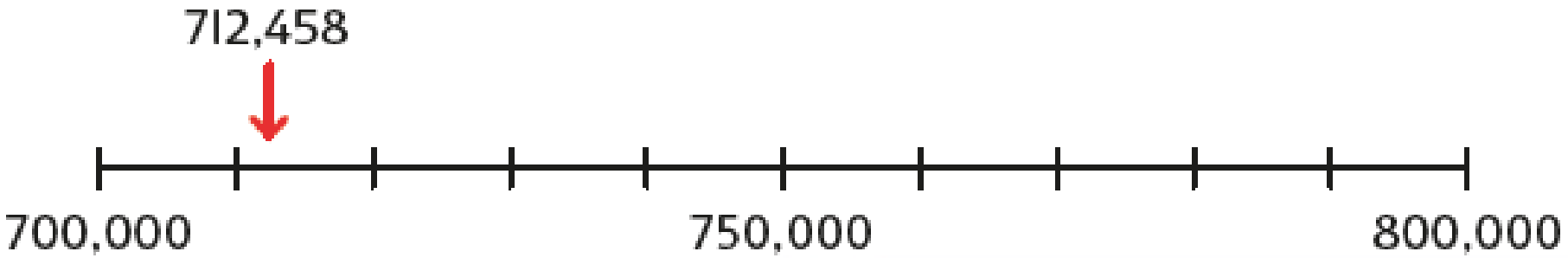
Round the number to the nearest 100.

# Share

I looked at the size of the digits to help me round the numbers.

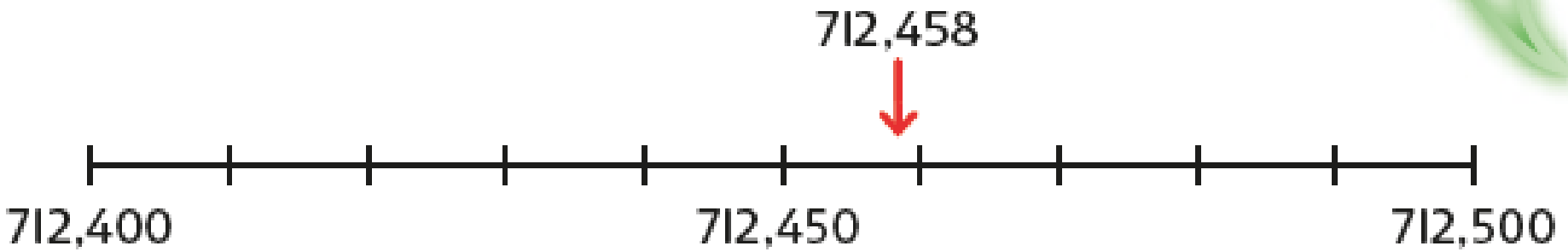
a) To round the 100,000s digit you look at the 10,000s digit.

| HTh | TTh | Th | H | T | O |
|---|---|---|---|---|---|
| 7 | 1 | 2 | 4 | 5 | 8 |




712,458 rounded to the nearest 100,000 is 700,000.

I used a number line to help me work out which 100,000 it is closer to.



712,458 lies between 712,400 and 712,500.

712,458 lies closer to 712,500.

712,458 rounded to the nearest 100 is 712,500.

How do you round numbers?

Do you use the digits to help you or do you like to use a number line?

The multiples either side of the number are important to consider – remember that if you are rounding to the nearest 100, the answer has to be a multiple of 100.

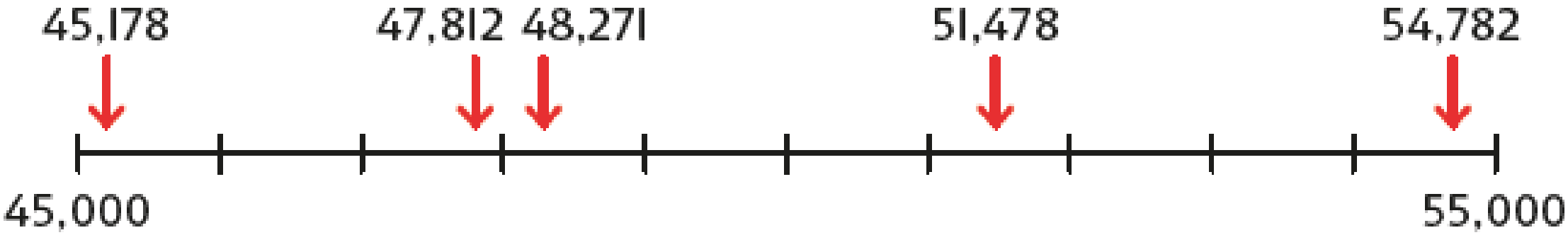
# Discover

Jamie has used the digit cards to make a 5-digit number.

What number could Jamie have made?

Jamie's number must lie between 45,000 and 54,999. All of the numbers in between will round to 50,000.

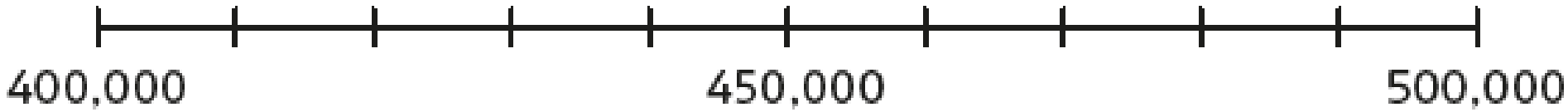
Here are some numbers that Jamie could have made.



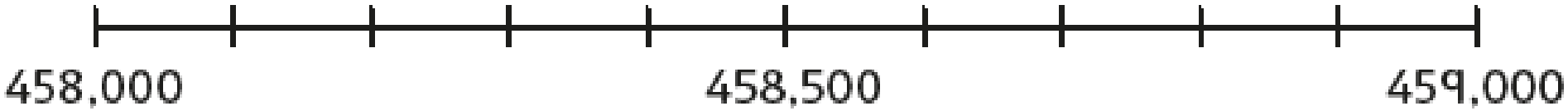
1 Jamie now makes this number.

| 4 | 5 | 8 | 2 | 1 | 7 |
|---|---|---|---|---|---|

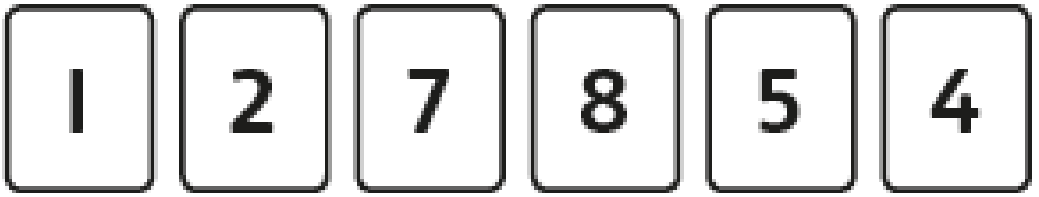
a) Round the number to the nearest 100,000.




b) Round the number to the nearest 1,000.



**2** Danny makes this number.




What numbers should go into the table?

| Danny's number, rounded to the nearest ... | | | | |
|---|---|---|---|---|
| 100,000 | 10,000 | 1,000 | 100 | 10 |
| | | | | |

# LI: To round any number to the nearest 10, 100, 1000, 10,000 and 100,000.

| My number is: | 516 738 | 403 139 | 201 457 | 825 109 |
|---|---|---|---|---|
| Rounded to the nearest 10 = | | | | |
| Rounded to the nearest 100 = | | | | |
| Rounded to the nearest 1000 = | | | | |
| Rounded to the nearest 10,000 = | | | | |
| Rounded to the nearest 100,000 = | | | | |