Maths

Reasoning with large whole numbers:

Comparing 5-digit numbers

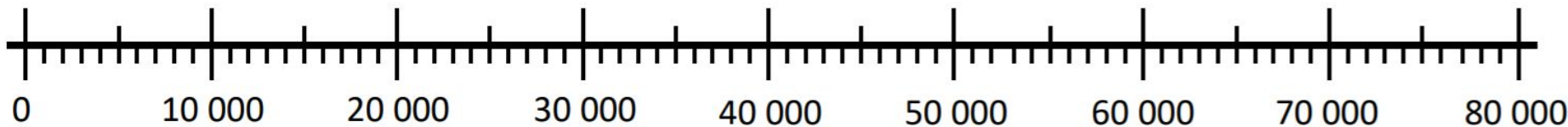Ms Jeremy

Using a number line to compare

a) 71 349	c) 91 374
b) 13 794	d) 43 179

0   10 000   20 000   30 000   40 000   50 000   60 000   70 000   80 000

For each example, use a place value table to find the number with the **greatest value.**

| 62 459 |
| 26 594 |
| 49 264 |

| 82 771 |
| 82 717 |
| 82 177 |

Ten thousands	Thousands	Hundreds	Tens	Ones

Resume once you're finished
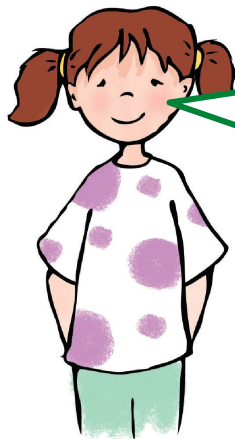
How could we arrange these digits to make:
i) the number with the greatest possible value?
ii) the number with the smallest possible value?

4 1 0 8 7

▶ **Resume once you're finished**

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Independent Task

1. Draw a place value table.
2. Roll the dice 5 times (use number cards if necessary).
3. Each time you roll, decide where to place your number on the place value table to achieve the number with the greatest value.
4. Explain your reasoning and repeat 5 times.

Challenge:
Arrange your digits to create a number:
i) Greater than 30 000
ii) Less than 12 000

Ten thousands	Thousands	Hundreds	Tens	Ones