

# MATHS HOMEWORK

## WEEK 3: COMPARING NUMBERS & NUMBER SEQUENCES

Learning Target: I can compare 6-digit numbers and continue number sequences.

### PART 1: COMPARING 6-DIGIT NUMBERS

**RULES:** To compare numbers, look at the digits from left to right.  
The number with the larger digit in the first different place is greater.

**SYMBOLS:**  $>$  means greater than  
 $<$  means less than  
 $=$  means equal to

A. Compare the numbers using  $>$ ,  $<$  or  $=$ .

1. 245,781  214,578

2. 683,920  684,029

3. 456,302  456,230

4. 999,999  999,990

5. 375,600  375,060

6. 812,450  812,405

7. 123,456  234,567

8. 600,035  599,999

9. 720,100  720,010

10. 908,765  908,765

B. Order the numbers from least to greatest.

1. 514,203 145,320 415,302

$<$    $<$

2. 836,201 836,120 836,210

$<$    $<$

### PART 2: NUMBER SEQUENCES

**RULES:** A number sequence is a list of numbers that follow a pattern.  
Work out the pattern, then continue the sequence.

A. Continue each sequence.

1. 125,432 125,433 125,434 125,435

2. 380,000 381,000 382,000 383,000

3. 765,210 765,310 765,410 765,510

4. 250,000 275,000 300,000 325,000

5. 999,995 999,996 999,997 999,998

6. 120,000 110,000 100,000 90,000

7. 246,810 247,010 247,210 247,410

8. 600,050 600,150 600,250 600,350

B. Find the missing numbers in each sequence.

1. 234,567 234,568   234,571 234,572

2. 450,000 460,000   490,000 500,000

3. 123,000  125,000 126,000  128,000

4. 999,980 999,985  999,995  1,000,005

5. 300,300  300,500 300,600  300,800

6. 700,000 680,000   620,000 600,000

C. Which number comes next?

1. 678,901 678,902 678,903 678,904

a) 678,905 b) 678,914 c) 678,913

2. 555,000 560,000 565,000 570,000

a) 575,000 b) 580,000 c) 580,500

3. 210,210 210,410 210,610 210,810

a) 210,910 b) 211,010 c) 211,110

#### D. Real World Challenge

A bookshop sells 247,630 books this year.  
Last year, it sold 236,789 books.

1. Which year sold more books? \_\_\_\_\_

2. How many more books were sold  
this year than last year? \_\_\_\_\_

★ **REMEMBER!**

👁 Look carefully.

Use the symbols  $>$   $<$   $=$  correctly.

Check your answers.

