# Varied Fluency
# Step 9: Ordering Numbers

## National Curriculum Objectives:

**Mathematics Year 3: (3N2a) Compare and order numbers up to 1000**
**Mathematics Year 3: (3N3) Recognise the place value of each digit in a three-digit number (hundreds, tens, ones)**
**Mathematics Year 3: (3N4) Identify, represent and estimate numbers using different representations**
**Mathematics Year 3: (3N2a) Read and write numbers up to 1000 in numerals and in words**

## Differentiation:

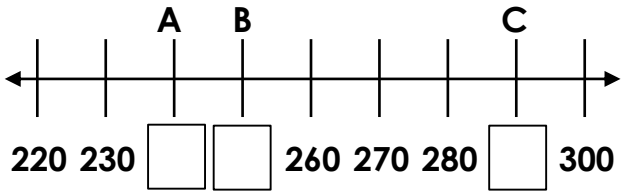
**Developing Questions to support ordering three numbers up to 1,000 in ascending order using multiples of ten and pictorial support. Numerals used only.**
**Expected Questions to support ordering up to six numbers up to 1,000 in ascending or descending order. Some use of pictorial representations. Numerals used only.**
**Greater Depth Questions to support ordering up to six numbers up to 1,000 in ascending or descending order. Some use of mixed pictorial representations. Includes numerals and words with some examples of unconventional partitioning.**

## More Year 3 Place Value resources.

## Did you like this resource? Don't forget to review it on our website.

# Ordering Numbers

1a. Fill the gaps in the number line using the numbers below.




290 250 240

VF

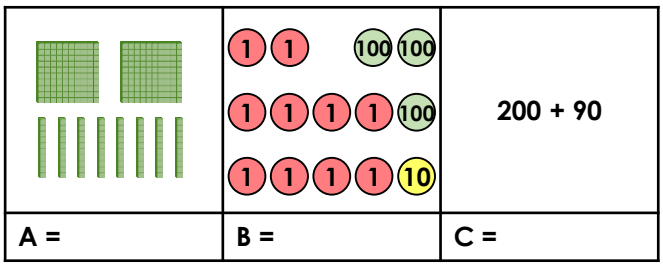
2a. Put these numbers in ascending order.

570 730 590

_____ , _____ , _____

VF

3a. What is each representation worth?




| A = | B = | C = |
|---|---|---|

List the numbers in ascending order.

_____ _____ _____

VF

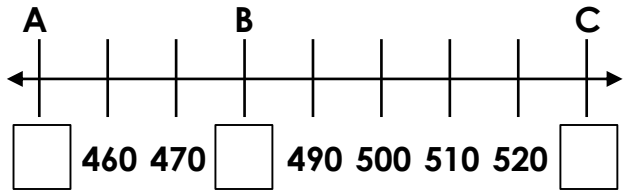
4a. True or false? Lewis has placed three numbers in ascending order.

| 410 |
|---|
| 380 |
| 430 |

VF

# Ordering Numbers

1b. Fill the gaps in the number line using the numbers below.




480 530 450

VF

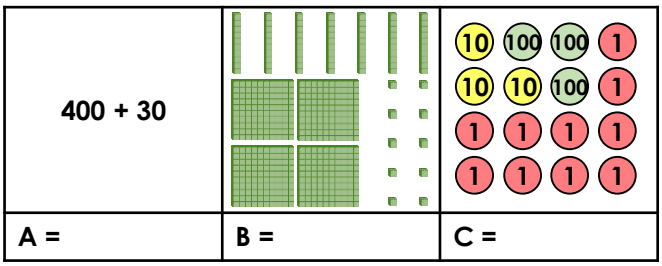
2b. Put these numbers in ascending order.

930 380 310

_____ , _____ , _____

VF

3b. What is each representation worth?




| A = | B = | C = |
|---|---|---|

List the numbers in ascending order.

_____ _____ _____

VF

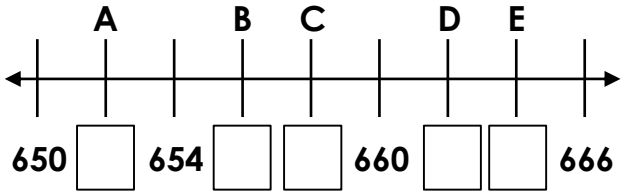
4b. True or false? Frank has placed three numbers in ascending order.

| 790 |
|---|
| 800 |
| 880 |

VF

# Ordering Numbers

5a. Fill the gaps in the number line using the numbers below.

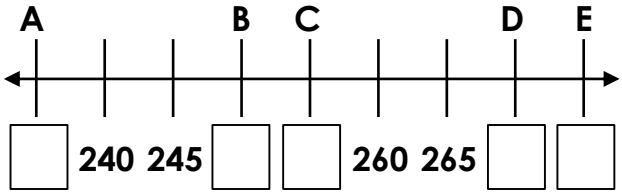



| | | | | |
|---|---|---|---|---|
| 662 | 658 | 664 | 656 | 652 |

VF

# Ordering Numbers

5b. Fill the gaps in the number line using the numbers below.




| | | | | |
|---|---|---|---|---|
| 270 | 250 | 255 | 235 | 275 |

VF

6a. Put these numbers in ascending order.

| | | | | |
|---|---|---|---|---|
| 426 | 381 | 329 | 894 | 677 |

_____, _____, _____, _____, _____

VF

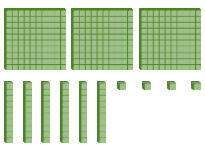
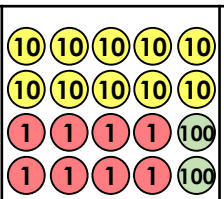
6b. Put these numbers in descending order.

| | | | | |
|---|---|---|---|---|
| 576 | 903 | 567 | 799 | 652 |

_____, _____, _____, _____, _____

VF

7a. What is each representation worth?

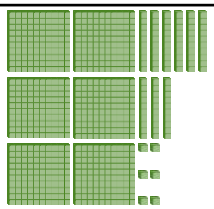
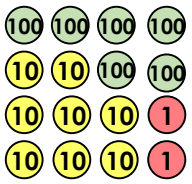
| | | |
|---|---|---|
|  |  | 300 + 40 + 6 |
| A = | B = | C = |

List the numbers in descending order.

_____ _____ _____

VF

7b. What is each representation worth?

| | | |
|---|---|---|
| 600 + 87 |  |  |
| A = | B = | C = |

List the numbers in ascending order.

_____ _____ _____

VF

8a. True or false? Lucie has placed these five numbers in ascending order.

| |
|---|
| 670 |
| 767 |
| 676 |
| 776 |
| 777 |

VF

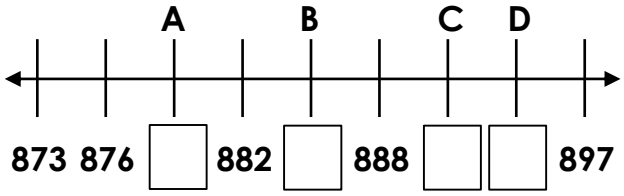
8b. True or false? Fiona has placed these five numbers in descending order.

| |
|---|
| 882 |
| 849 |
| 797 |
| 658 |
| 685 |

VF

# Ordering Numbers

**9a. Fill the gaps in the number line using the numbers below.**




| eight hundred and eighty-five | 891 | 7 hundreds, 8 tens and 114 ones | eight hundred and seventy-nine |
|---|---|---|---|

GD VF

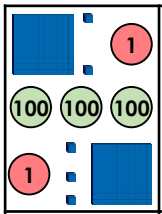
**10a. Put these values in ascending order.**

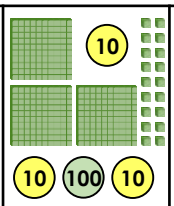
| 200, 28 tens and 3 ones | 384 | 700, 10 tens and 9 ones | seven hundred and forty-one | 600, 23 tens and 4 ones |
|---|---|---|---|---|

_____, _____, _____, _____, _____

GD VF

**11a. What is each representation worth?**




| one hundred, 38 tens and 10 ones | 400 + 119 |
|---|---|

| A = | B = | C = | D = |
|---|---|---|---|

**List the numbers in descending order.**

GD _____ _____ _____ _____ VF

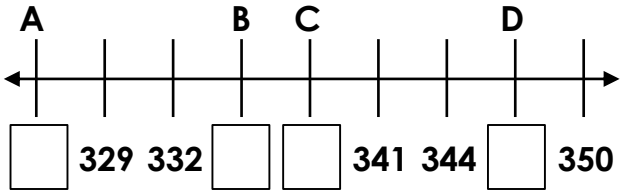
**12a. True or false? Callum has placed these six numbers in ascending order.**

| 8 hundreds, 10 tens and 73 ones |
|---|
| nine hundred and seventy-six |
| 98 tens and 1 one |
| 984 |
| 6 hundreds, 38 tens and 9 ones |
| nine hundred and eighty-eight |

GD VF

# Ordering Numbers

**9b. Fill the gaps in the number line using the numbers below.**




| 347 | three hundred and twenty-six | 2 hundreds, 9 tens and 45 ones | 33 tens and 8 ones |
|---|---|---|---|

GD VF

**10b. Put these in descending order.**

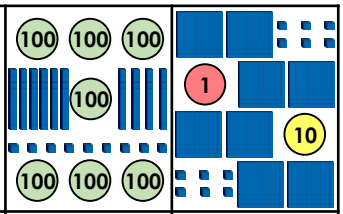
| six hundred and two | 596 | 500, 10 tens and 112 ones | 200, 42 tens and 1 one | 100, 38 tens and 11 ones |
|---|---|---|---|---|

_____, _____, _____, _____, _____

GD VF

**11b. What is each representation worth?**

| seven hundred and ninety-four | 600 + 231 |
|---|---|




| A = | B = | C = | D = |
|---|---|---|---|

**List the numbers in ascending order.**

GD _____ _____ _____ _____ VF

**12b. True or false? Jemma has placed these six numbers in descending order.**

| 41 tens and 7 ones |
|---|
| 2 hundreds, 7 tens and 37 ones |
| three hundred and one |
| two hundred and ninety-six |
| 1 hundred, 18 tens and 9 ones |
| 272 |

GD VF

## Varied Fluency
## Ordering Numbers

### Developing

1a. A = 240, B = 250 and C = 290

2a. 570, 590 and 730

3a. 280 (A), 290 (C) and 320 (B)

4a. False because 380 is less than 410. Lewis' sequence should read: 380, 410 and 430.

### Expected

5a. A = 652, B = 656, C = 658, D = 662 and E = 664

6a. 329, 381, 426, 677 and 894

7a. 364 (A), 346 (C) and 308 (B)

8a. False because 767 is greater than 676. Lucie's sequence should read: 670, 676, 767, 776 and 777.

### Greater Depth

9a. A = 879, B = 885, C = 891 and D = 894

10a. 384, 483, 741, 809 and 834

11a. 519 (D), 507 (A), 490 (C) and 448 (B)

12a. False because 989 is more than 988 and 988 is less than 989. Callum's sequence should read like this: 973, 976, 981, 984, 988 and 989.

## Varied Fluency
## Ordering Numbers

### Developing

1b. A = 450, B = 480 and C = 530

2b. 310, 380 and 930

3b. 340 (C), 430 (A) and 480 (B)

4b. True.

### Expected

5b. A = 235, B = 250, C = 255, D = 270 and E = 275

6b. 903, 799, 652, 576 and 567

7b. 682 (C), 687 (A) and 696 (B)

8b. False because 685 is greater than 658. Fiona's sequence should read: 882, 849, 797, 685 and 658.

### Greater Depth

9b. A = 326, B = 335, C = 338 and D = 347

10b. 712, 621, 602, 596 and 491

11b. 794 (A), 809 (C), 823 (D) and 831 (B)

12b. True.