

Homework/Extension

Step 9: Ordering Numbers

National Curriculum Objectives:

Mathematics Year 3: Mathematics Year 3: (3N2a) [Compare and order numbers up to 1000](#)

Mathematics Year 3: (3N2a) [Read and write numbers up to 1000 in numerals and in words](#)

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](#)

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

Developing Identify the mistake in a given sequence by ordering three numbers up to 1,000 in ascending order using multiples of 10. Numerals only.

Expected Identify the mistake in a given sequence by ordering six numbers up to 1,000 in ascending or descending order. Numerals only.

Greater Depth Identify the mistake in a given sequence by ordering six numbers up to 1,000 in ascending or descending order. Includes numerals and words with some examples of unconventional partitioning.

Questions 2, 5 and 8 (Varied Fluency)

Developing Order three numbers up to 1,000 in ascending order using multiples of ten. Numerals only.

Expected Order five numbers up to 1,000 in ascending or descending order. Numerals only.

Greater Depth Order six numbers up to 1,000 in ascending or descending order. Includes numerals and words with some examples of unconventional partitioning.

Questions 3, 6 and 9 (Reasoning and Problem Solving)

Developing Fill in the gaps to make four 3-digit numbers that are arranged in ascending order using multiples of ten. Numerals only.

Expected Fill in the gaps to make five 3-digit numbers that are arranged in descending order. Numerals only.

Greater Depth Fill in the gaps to make five 3-digit numbers that are arranged in descending order. Includes numerals and words with some examples of unconventional partitioning.

More [Year 3 Place Value](#) resources.

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Ordering Numbers

1. Freya has lived in three different houses. She has written the house number for each house in ascending order, but she has made a mistake.

180,



270,



230



Write the sequence in the correct order.



VF
HW/Ext

2. Three children are playing a video game. The winner is the player who collects the most red shells in the obstacle course.

The results are given below. Order them from smallest to greatest.

Coleen = 510

Brian = 440

Jeremy = 450

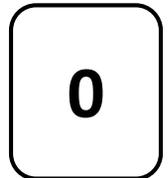
Who finished in second place?



VF
HW/Ext

3. Use the digit cards below to fill in the gaps and create four 3-digit numbers that are in ascending order.

___ 20, 1 ___ 0, 2 ___ 0, ___ 60



You may only use each digit card once, but you do not have to use every digit card.



RPS
HW/Ext

Ordering Numbers

4. Soleil has lived in six different houses. She has written the house number for each house in ascending order, but she has made a mistake.

116,

119,

251,

241,

423,

578



Write the sequence in the correct order.



VF
HW/Ext

5. Five children are playing a video game. The winner is the player who collects the most yellow shells in the obstacle course.

The results are given below. Order them from greatest to smallest.

Sam = 623

Trevor = 930

Ian = 292

Maria = 581

Ana = 273

Who finished in third place?



VF
HW/Ext

6. Use the digit cards below to fill in the gaps and create five 3-digit numbers that are in descending order.

3 3 ____, 3 __ 2, __ 6 1, 1 __ 4, 1 0 __

6

1

5

2

3

8

You may only use each digit card once, but you do not have to use every digit card.



RPS
HW/Ext

Ordering Numbers

7. Harvey has lived in six different houses. He has written the house number for each house in descending order, but he has made a mistake.

seven hundred and forty-four



7 hundreds, 2 tens and 11 ones



437



2 hundreds, 10 tens and 23 ones



3 hundreds, 2 tens and 29 ones



two hundred and thirty-four



Write the sequence in the correct order.



VF
HW/Ext

8. Six children are playing a video game. The winner is the player who collects the most blue shells in the obstacle course.

The results are given below. Order them from smallest to greatest.

Sofia = 664

Jack = 4 hundreds, 23 tens and 3 ones

Riley = four hundred and eighteen

Kaylee = 1 hundred, 40 tens and 2 ones

Addison = 746

Wyatt = six hundred and thirty-one

Who finished in fourth place?



VF
HW/Ext

9. Use the digit cards below to fill in the gaps and create five 3-digit numbers that are in descending order.

____ hundreds and 13 ones

6 hundreds, 9 tens and 4 ____ ones

63 tens and ____ ones

51 tens and ____ ones

3 hundreds, ____ tens and 74 ones

1

3

9

5

8

6

You may only use each digit card once, but you do not have to use every digit card.



RPS
HW/Ext

Homework/Extension Ordering Numbers

Developing

1. 180, 230, 270
2. The order from smallest to greatest is: 440 (Brian), 450 (Jeremy) and 510 (Coleen). Jeremy finished in second position.
3. Various answers, for example: 120, 190, 200, 360

Expected

4. 116, 119, 241, 251, 423, 578
5. The order from greatest to smallest is: 930 (Trevor); 623 (Sam); 581 (Maria); 292 (Ian); 273 (Ana). Maria finished in third place.
6. Various answers, for example: 338, 312, 261, 164, 105

Greater Depth

7. Seven hundred and forty-four (744); 7 hundreds, 2 tens and 11 ones (731); 437, 3 hundreds, 2 tens and 29 ones (349); 2 hundreds, 10 tens and 23 ones (323); two hundred and thirty-four (234)
8. The order from smallest to greatest is: 418 (Riley), 502 (Kaylee), 631 (Wyatt), 633 (Jack), 664 (Sofia) and 746 (Addison). Wyatt finished in fourth place.
9. Various answers, for example: 9 hundreds and 13 ones (913); 6 hundreds, 9 tens and 45 ones (735); 63 tens and 1 one (631); 51 tens and 8 ones (518); 3 hundreds, 3 tens and 74 ones (404)