

# Yr 3 Place Value and Money Unit 1 (3533)

## Additional teacher instructions for practice sheets

These notes indicate which practice sheets are most appropriate for which groups.

### Day 1 Placing three-digit numbers between hundreds Sheet 1

Working towards ARE / Working at ARE

Working towards ARE with support can label the number lines in 10s before placing the numbers.

### Day 1 Placing three-digit numbers between hundreds Sheet 2

Greater Depth

### Day 2 Placing three-digit numbers on a 0-1000 number line sheet 1

Working towards ARE / Working at ARE

Working towards ARE with support can label the number lines in 10s before placing the numbers.

Working at ARE should complete the challenge.

### Day 2 Placing three-digit numbers on a 0-1000 number line Sheet 2

Greater Depth

### Day 3 Make a number Sheet 1

Working towards ARE

### Day 3 Make a number Sheet 2

Working at ARE / Greater Depth

Working at ARE find and order at least 10 numbers.

Greater Depth find and order at least 15 numbers and attempt challenge.

### Day 4 Ordering numbers Sheet 1

Working towards ARE / Working at ARE / Greater Depth

Working towards ARE complete rows 1-3

Working at ARE complete rows 1-5

Greater Depth complete rows 3- 7.

All groups to attempt the challenge.

### Day 5 Creating 3-digit numbers Sheet 1

Working towards ARE (with support) / Working at ARE

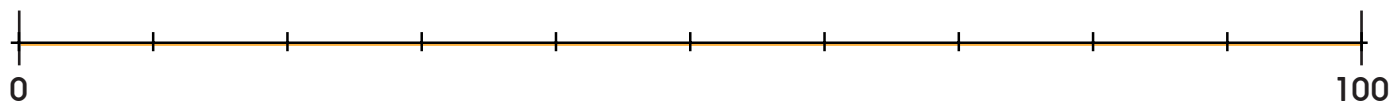
### Day 5 Creating 3-digit numbers Sheet 2

Greater Depth

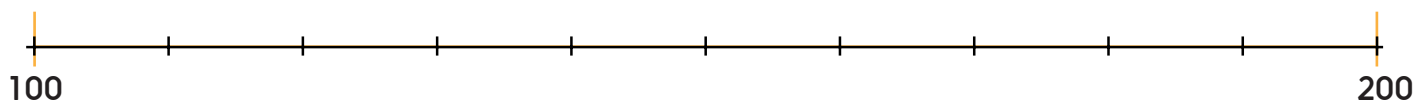
# Placing three-digit numbers between hundreds

## Sheet 1

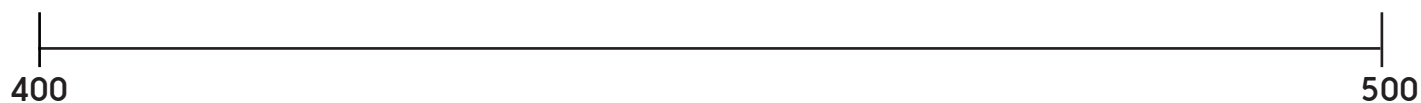
Mark the numbers on the number line where you think they should go.



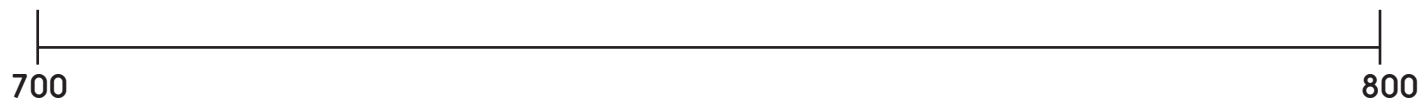
55	48	77
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150	199	170
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405	475	490
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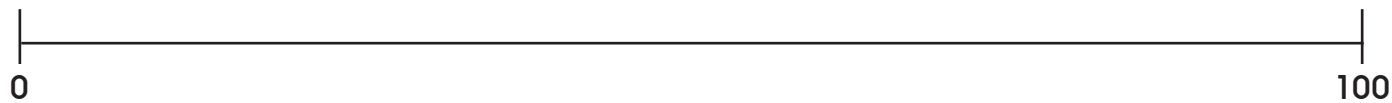


785	715	725
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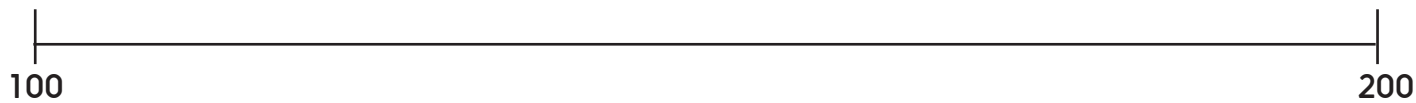
# Placing three-digit numbers between hundreds

## Sheet 2

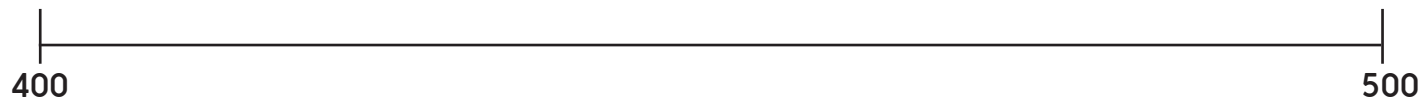
Mark the numbers on the number line where you think they should go.



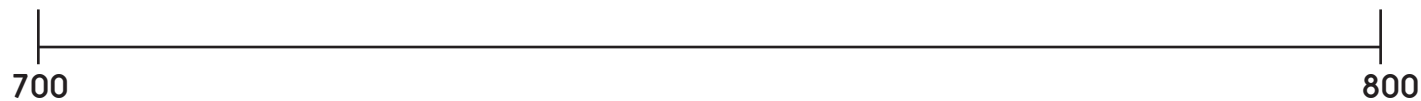
52	48	77
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150	199	171
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405	475	493
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784	716	725
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### Challenge

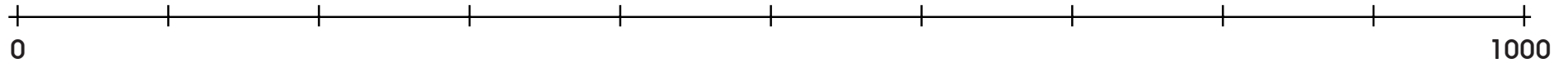
Which four 3-digit numbers when placed on a number line from 100-200 are spaced evenly?

# Placing three-digit numbers on a 0-1000 number line

## Sheet 1

Mark the 100s intervals on the number lines.

Write the numbers on the number line where you think they should go.



500	250	750
125	401	25
625	945	325

### Challenge

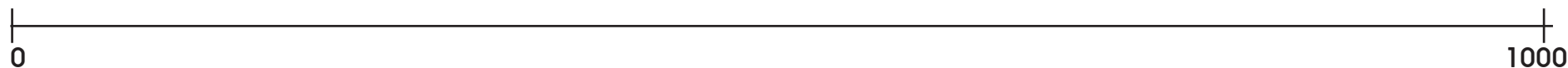
Roll three 0-9 dice. Use the digits to make 4 more different numbers to place on your line.

# Placing three-digit numbers on a 0-1000 number line

## Sheet 2

Mark the 100s intervals on the number line.

Write the numbers on the number line where you think they should go.



690	105	499	505
385	275	25	370
420	935	745	860

### Challenge

If the order of the digits were reversed on these numbers, how would their number line position change?

# Make a number

## Sheet 1

Use the following digits to make 3-digit numbers as instructed:



1. A number with seven 100s.

2. A number where the 10s digit is four.

3. A number with a 1s digit  $< 3$ .

4. A number with more than six 10s.

5. An even number between 200 and 300.

6. An odd number  $> 800$ .

Now order these numbers from smallest to largest:

### Challenge

How many numbers are there between (but not including) 100 and 200 that have a seven in them?

# Make a number

## Sheet 2

Use the following digits to make as many 3-digit numbers as you can.  
Now order them all from smallest to largest.

**Start using these digits: 1, 5, 7, 0, 9, 3**

### Challenge

How many numbers are there between (but not including) 100 and 200 that do not have a seven in them?

# Ordering numbers

## Sheet 1

Put the numbers in each row in order from smallest to largest.

		Order from smallest to largest
1	400, 200, 800, 450, 201, 102	
2	199, 665, 595, 911, 605, 109	
3	111, 102, 210, 201, 101, 110,	
4	324, 516, 978, 388, 813, 999	
5	555, 454, 545, 444, 554, 455	
6	340, 403, 334, 333, 443, 343	
7	225, 1025, 255, 125, 1205, 522	

### Challenge

Choose one of your sets of ordered numbers. Can you find a number to go in between each pair in the list?



# Creating 3-digit numbers

## Sheet 1

Complete the following challenges. You can use digit cards to support you in making the numbers.

### Challenge 1

Write at least 10 even three-digit numbers, using the digits 0-9. You can only use each digit once in a number.

### Challenge 2

Write at least 10 three-digit numbers that are multiples of 5, using the digits 0-9. You can only use each digit once in a number.

### Super challenge!

Choose one of your sets of numbers and put them in order smallest to largest.

# Creating 3-digit numbers

## Sheet 2

Complete the following challenges:

### Challenge 1

Write at least 10 three-digit numbers that are multiples of 5, using the digits 0-9. You can only use each digit once in a number.

### Challenge 2

Write at least 10 odd three-digit numbers that are also multiples of 3, using the digits 0-9. You can only use each digit once in a number.

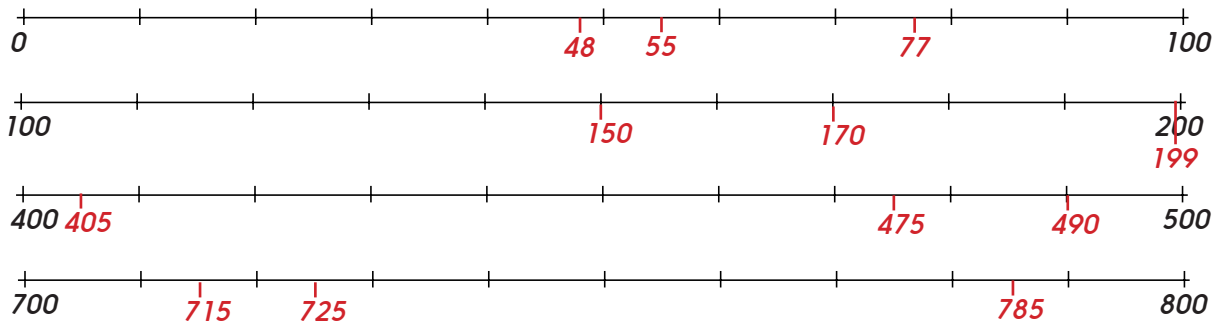
### Super challenge!

Choose one of your sets of numbers and put them in order smallest to largest.

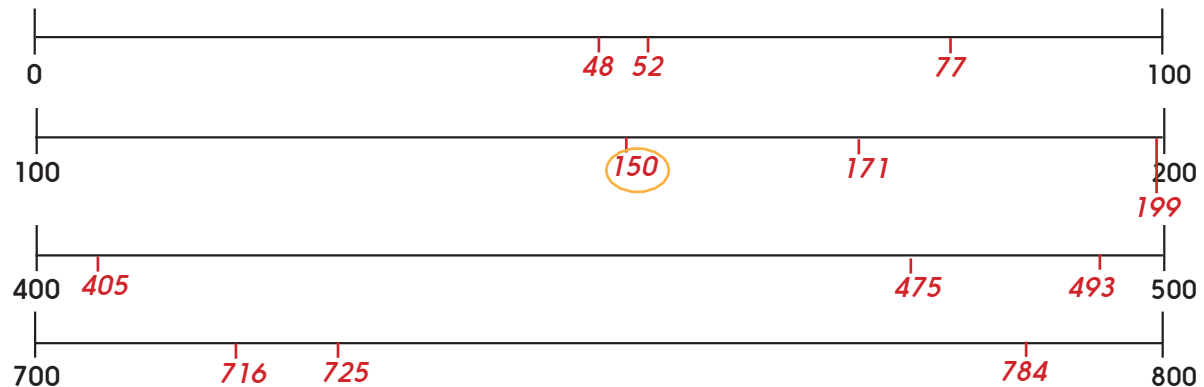
# Place Value and Money

## Answers

### Day 1 Placing three-digit numbers between hundreds Sheet 1



### Day 1 Placing three-digit numbers between hundreds Sheet 2



#### Challenge

Which four 3-digit numbers when placed on a number line from 100-200 are spaced evenly?  
**120, 140, 160, 180**

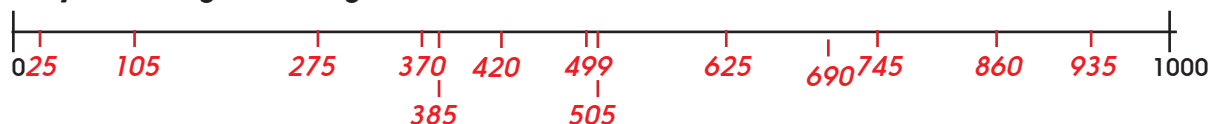
### Day 2 Placing three digit numbers on a 0-1000 number line Sheet 1



#### Challenge

Check that children have placed numbers accurately.

### Day 2 Placing three-digit numbers on a 0-1000 number line Sheet 2



#### Challenge

Have children reversed digits accurately and placed numbers appropriately? Did they spot that 505 doesn't move?

# Place Value and Money

## Answers

### Day 3 Make a number Sheet 1

1. e.g. 739
2. e.g. 243
3. e.g. 492
4. e.g. 374 or 294
5. e.g. 274
6. e.g. 927

#### Challenge

There are 19 numbers:

1s digit is 7: 107, 117, 127, ... 197 (10 numbers).

10s digit is 7: 170, 171, 172, ... 179 (not counting 177 because it was in the list above, 9 numbers).

### Day 3 Make a number Sheet 2

e.g. 103, 197, 359, 301, 571, 509, etc.

#### Challenge

There are 80 numbers between 100 and 200 without a seven in them.

### Day 4 Ordering numbers Sheet 1

1. 102, 200, 201, 400, 450, 800
2. 109, 199, 595, 605, 665, 911
3. 101, 102, 110, 111, 201, 210
4. 324, 388, 516, 813, 978, 999
5. 444, 454, 455, 545, 554, 555
6. 333, 334, 340, 343, 403, 443
7. 125, 225, 255, 522, 1025, 1205

### Day 5 Creating 3-digit numbers Sheet 1

Challenge 1: 120, 124, 126, 128, 130, 132, 134, 136, 138, 140, 142, 146, 148, 150, 152, etc.

Challenge 2: 120, 125, 130, 135, 140, 145, 150, 160, 165, 170, 175, 180, 185, 190, 195, etc.

### Day 5 Creating 3-digit numbers Sheet 2

Challenge 1: 120, 125, 130, 135, 140, 145, 150, 160, 165, 170, 175, 180, 185, 190, 195, etc.

Challenge 2: 189, 195, 201, 207, 213, 219, 309, 315, 321, 327, 345, 351, 357, 369, etc.