

Varied Fluency

Step 4: 100s, 10s, 1s 2

National Curriculum Objectives:

- 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: (3N6) [Solve number problems and practical problems involving 3N1 - 3N4](#)

Differentiation:

Developing Questions to support representing 3-digit numbers using a place value chart and counters, without the use of zero as a placeholder.

Expected Questions to support representing 3-digit numbers using a place value chart and counters, with some use of zero as a place holder.

Greater Depth Questions to support representing 3-digit numbers using a place value chart and counters, with some use of zero as a place holder and unconventional partitioning.

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

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1a. What is the value of the tens in the place value chart below?

Hundreds	Tens	Ones
100 100	10 10	1
100	10 10	1
		1



VF

1b. What is the value of the hundreds in the place value chart below?

Hundreds	Tens	Ones
100 100	10 10	1 1
100 100		1 1
100		



VF

2a. Using place value counters, draw the number 276.

Hundreds	Tens	Ones



VF

2b. Using place value counters, draw the number 615.

Hundreds	Tens	Ones



VF

3a. Which place value chart shows 156?

A

Hundreds	Tens	Ones
100	10 10 10 10 10	1 1 1 1 1 1

B

Hundreds	Tens	Ones
100	10 10 10 10	1 1 1 1 1 1



VF

3b. Which place value chart shows 214?

A

Hundreds	Tens	Ones
100 100	10	1 1 1

B

Hundreds	Tens	Ones
100 100	10	1 1 1 1



4a. What is the value of the hundreds in the place value chart below?

Hundreds	Tens	Ones
100 100	10 10	1 1
100 100	10 10	1 1 1
	10 10	1 1



VF

4b. What is the value of the tens in the place value chart below?

Hundreds	Tens	Ones
100 100		1 1
100 100		1 1
100 100		



VF

5a. Using place value counters, draw the number 502.

Hundreds	Tens	Ones



VF

5b. Using place value counters, draw the number 761.

Hundreds	Tens	Ones



VF

6a. Which place value chart shows 323?

A

Hundreds	Tens	Ones
100 100	10 10	1 1
100	10	1

B

Hundreds	Tens	Ones
100 100	10 10	1 1
100		1



VF

6b. Which place value chart shows 408?

A

Hundreds	Tens	Ones
100 100	10	1 1 1
100 100		1 1 1
100		1 1

B

Hundreds	Tens	Ones
100 100		1 1 1
100 100		1 1 1
		1 1



7a. What is the value of the ones in the place value chart below?

Hundreds	Tens	Ones
100 100	10 10	1 1 1
100 100	10	1 1 1
100 100	10	1 1 1
		1 1 1



VF

7b. What is the value of the tens in the place value chart below?

Hundreds	Tens	Ones
100 100	10 10 10	1 1
100 100	10 10 10	1 1
100 100	10 10 10	
100	10 10	



VF

8a. Using place value counters, draw the number 935. You must only draw 8 hundreds in the hundreds column.

Hundreds	Tens	Ones



VF

8b. Using place value counters, draw the number 747. You must only draw 3 tens in the tens column.

Hundreds	Tens	Ones



VF

9a. Which place value chart shows 626?

A

Hundreds	Tens	Ones
100 100	10 10 10	1 1 1
100 100	10 10 10	1 1 1
100	10 10 10	
	10 10 10	

B

Hundreds	Tens	Ones
100 100		1 1 1
100 100	10	1 1 1
100 100		



VF

9b. Which place value chart shows 305?

A

Hundreds	Tens	Ones
100 100	10 10 10	1 1 1
	10 10 10	1 1
	10	

B

Hundreds	Tens	Ones
100 100		1 1 1
100	10	1 1



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Developing

- 1a. 40
2a. 2 hundreds in the hundreds column, 7 tens in the tens column and 6 ones in the ones column.
3a. A

Expected

- 4a. 400
5a. 5 hundreds in the hundreds column, nothing in the tens column and 2 ones in the ones column.
6a. B

Greater Depth

- 7a. 12
8a. 8 hundreds in the hundreds column, 13 tens in the tens column and 5 ones in the ones column.
9a. A

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Developing

- 1b. 500
2b. 6 hundreds in the hundreds column, 1 ten in the tens column and 5 ones in the ones column.
3b. B

Expected

- 4b. 0
5b. 7 hundreds in the hundreds column, 6 tens in the tens column and 1 one in the ones column.
6b. B

Greater Depth

- 7b. 110
8b. 7 hundreds in the hundreds column, 3 tens in the tens column and 17 ones in the ones column.
9b. A