Linked to your previous learning, complete the following questions:
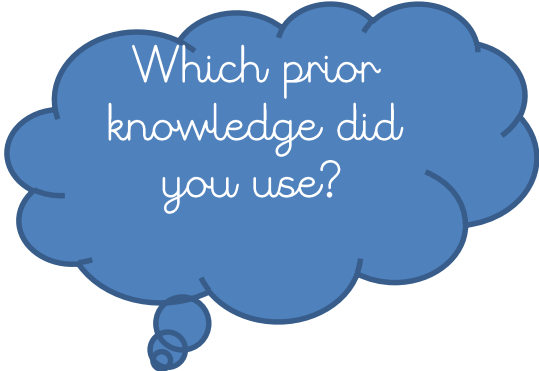
1. What are the value of the underlined digits in the following numbers?

1<u>4</u>3
7,34<u>5</u>
<u>4</u>67
<u>3</u>,124

Which prior knowledge did you use?

WALT: Use and apply numbers to 10,000

Introduction

1. What are the value of the underlined digits in the following numbers?
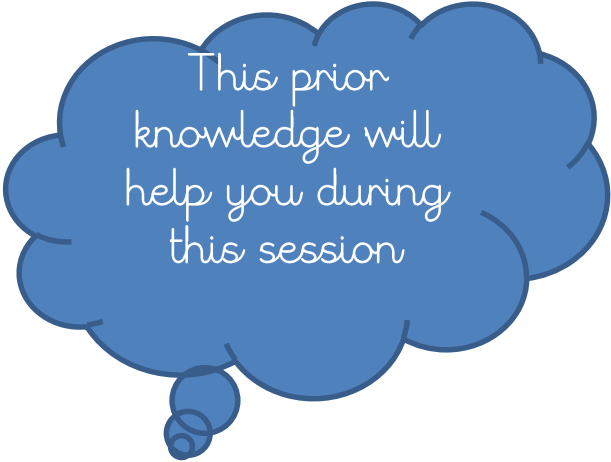
<u>9</u>23

9, 8<u>47</u>

<u>8</u>, 123

2. What are the missing numbers?

9,382 = _____ + _____ + __ + 2

3. How would you write the number
one thousand, three hundred and eight?

4. How would you say the number
2,045?

5. What columns change when you add 10, 100 and
1,000 to 2,506?

Remember

The value of a digit depends on its position.

E.g.

TTh	Th	H	T	Is
4	2	3	0	5

Can you think of any times when you would use this knowledge in real-life situations?

Key Vocabulary

- Digit
- Ones
- Hundred
- Thousand
- Partition
- Number
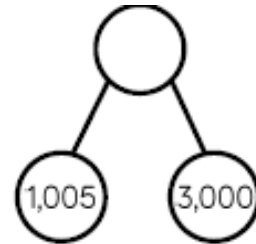- Place value
- Smallest
- Largest
- Ordered

Use the class maths display and your table top resource pack to generate your own examples of key vocabulary too.

Fluency – Do it!

1.

Match the diagram to the number.

4,500   4,005   4,050

Complete the table.

2.

	Add 10	Add 100	Add 1,000
2,506			
7,999			
		6,070	

Fluency - Do it! (continued)

3. What are the value of the underlined digits in the following numbers?

8̲10

4,2̲3̲6

7̲,996

2. What are the missing numbers?

7,126 = _____ + _____ + __ + 6

Fluency – Do it! ANSWERS

1.

Match the diagram to the number.

| 4,500 | | 4,005 | | 4,050 |

2.

Complete the table.

	Add 10	Add 100	Add 1,000
2,506	2, 516	2, 606	3,506
7,999	8,009	8,099	8,999
5,970	5,980	6,070	6,970

<u>Fluency – Do it! (continued)</u>
<u>ANSWERS</u>

3. What are the value of the underlined digits in the following numbers?

<u>8</u>10 800

4,2<u>3</u>6 30
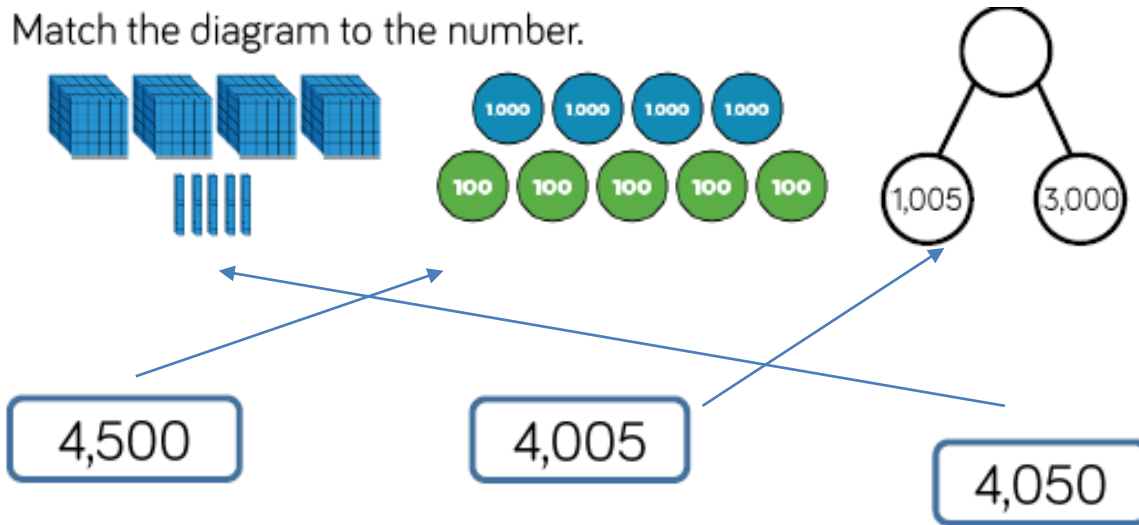
<u>7</u>,996 7,000

2. What are the missing numbers?

7,126 = 7,000 + 100 + 20+ 6

Reasoning – Secure it!

Dora has made five numbers, using the digits 1, 2, 3 and 4

She has changed each number into a letter.

Her numbers are

aabcd
acdbc
dcaba
cdadc
bdaab

Here are three clues to work out her numbers:

- The first number in her list is the greatest number.
- The digits in the fourth number total 12
- The third number in the list is the smallest number.

Problem solving – Deepen it!

Tommy says he can order the following numbers by only looking at the first three digits.

12,516		12,832
	12,679	
12,538		12,794

Is he correct?

Explain your answer.

Use your Maths Sentence Starters in your explanation:
E.g. I already knew ... so ...

** Highlight sentence starters in green and key vocabulary in yellow.

Reasoning and Problem solving

Answers

Dora has made five numbers, using the digits 1, 2, 3 and 4

She has changed each number into a letter.

Her numbers are

aabcd
acdbc
dcaba
cdadc
bdaab

Here are three clues to work out her numbers:

- The first number in her list is the greatest number.
- The digits in the fourth number total 12
- The third number in the list is the smallest number.

44,213
43,123
13,424
31,413
21,442

Tommy says he can order the following numbers by only looking at the first three digits.

12,516

12,832

12,679

12,538

12,794

Is he correct?

Explain your answer.

He is incorrect because two of the numbers start with twelve thousand, five hundred therefore you need to look at the tens to compare and order.

Plenary

Can you work out what the following numbers would be?

1. This is a 3 digit number
- If you add the digits together, they equal 7
- The tens digit is 5

2. This is a 5-digit number

- The ones digit is the same as the thousands digit
- There is one 4 in the number
- The ones digit is the same digit as the last digit of this year
- The ten thousand digit is two more than the thousands digit