

Maths

16.09.24

Can I recognise the place value of each digit in a 4-digit number ?

Choose one of the next 3 slides to practise counting on....



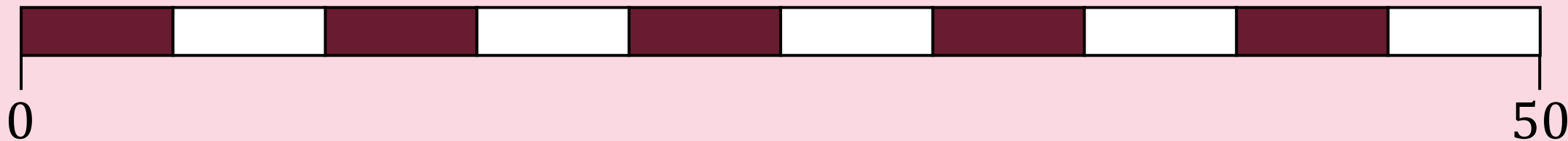
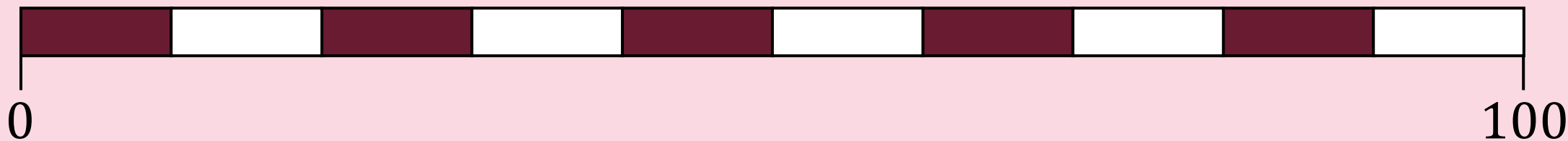
Plenary



Counting in tens and fives



DO NOW



DYNAMIC REPRESENTATION
Build up your own representation,
'live' in the lesson
This image is for teacher planning only

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Counting in twos and threes



DO NOW



DYNAMIC REPRESENTATION

Build up your own representation,
'live' in the lesson
This image is for teacher planning only

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Counting in fours and sixes



DO NOW

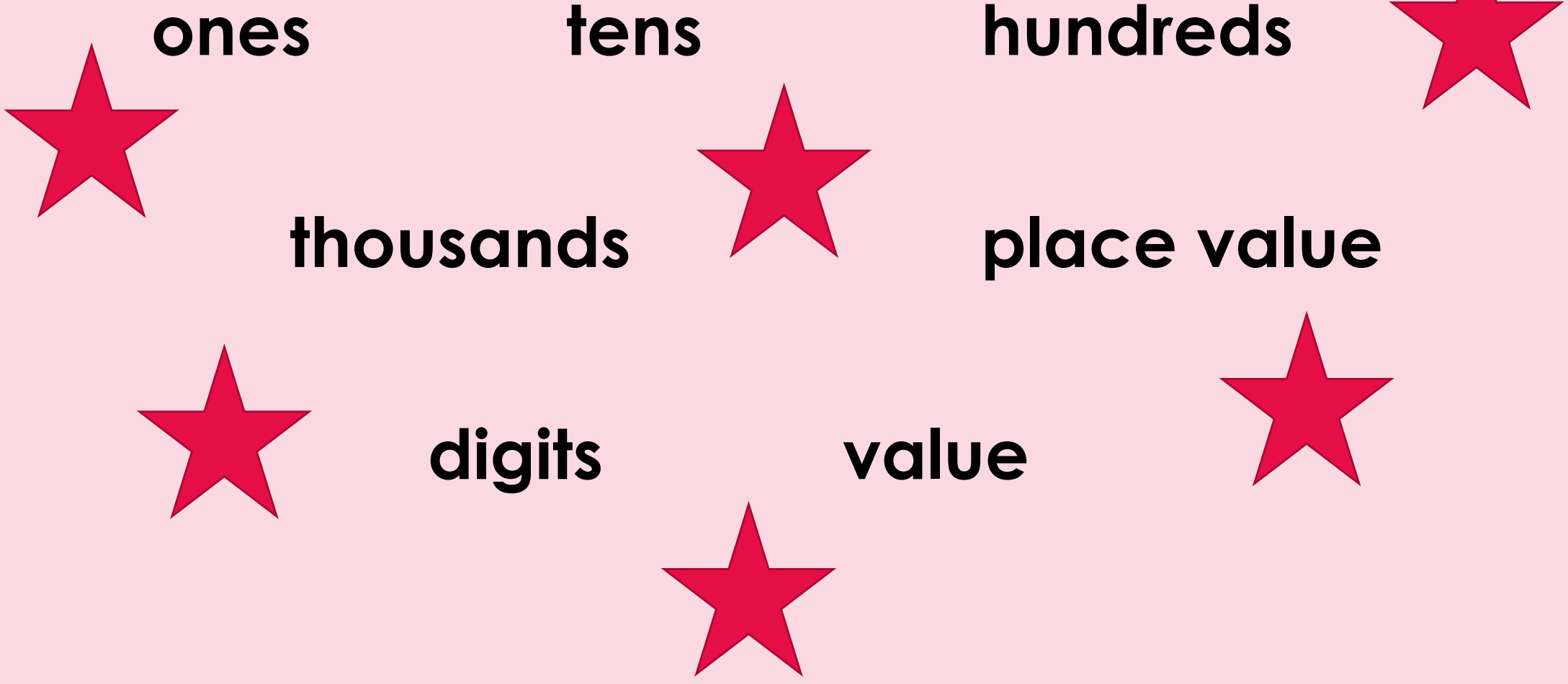


DYNAMIC REPRESENTATION
Build up your own representation,
'live' in the lesson
This image is for teacher planning only

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Key Learning:



Look at these four numbers, what is the value of the digit **2** in each number? Which number is the greatest? Which is the smallest?

Thousands	Hundreds	Tens	Ones
4	8	0	2

Thousands	Hundreds	Tens	Ones
3	2	8	4

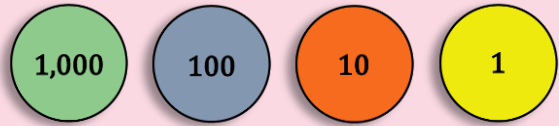
Thousands	Hundreds	Tens	Ones
5	4	2	6

Thousands	Hundreds	Tens	Ones
2	0	4	6



Partitioning numbers

Look at the different ways to represent place value.



Thousands	Hundreds	Tens	Ones
2	7	3	6

Thousands	Hundreds	Tens	Ones



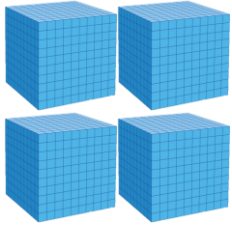
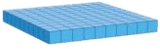
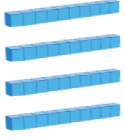

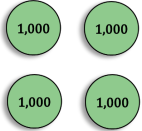

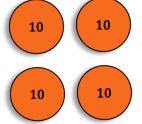
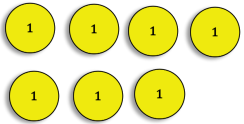
Key Learning: To recognise the place value of each digit in a 4-digit number

There are **4** thousands,
1 hundred, **4** tens
and **7** ones.

$$4,147 = 4,000 + 100 + 40 + 7$$

The number is:

four thousand, one hundred and forty-seven

Thousands	Hundreds	Tens	Ones
4	1	4	7
			
			



Independent Task



Partitioning numbers

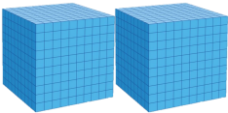
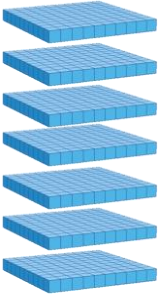
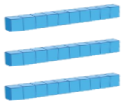


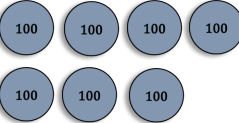

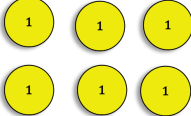


There are thousands,
 hundreds, tens
 and ones.

$$\boxed{} = \boxed{} + \boxed{} + \boxed{} + \boxed{}$$

The number is

Thousands	Hundreds	Tens	Ones
2	7	3	6

Thousands	Hundreds	Tens	Ones
			
			



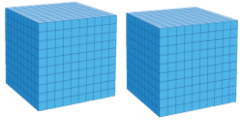
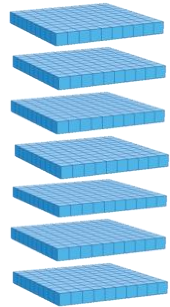


Key Learning: To recognise the place value of each digit in a 4-digit number

Complete the representations of 4-digit numbers.

There are thousands,
 hundreds, tens
and ones.

$$\boxed{} = \boxed{} + \boxed{} + \boxed{} + \boxed{}$$

The number is:

Thousands	Hundreds	Tens	Ones
Thousands	Hundreds	Tens	Ones
			



Independent Task



Key Learning: To recognise the place value of each digit in a 4-digit number

Complete the representations of 4-digit numbers.

There are thousands,
 hundreds, tens
and ones.

$$\text{3,046} = \text{3,000} + \text{40} + \text{6}$$

The number is:

Thousands	Hundreds	Tens	Ones
			6

Thousands	Hundreds	Tens	Ones
<input type="text" value="1,000"/> <input type="text" value="1,000"/> <input type="text" value="1,000"/>			



Independent Task



Partitioning numbers

There are thousands,
 hundreds, tens
and ones.

$$\boxed{} = \boxed{} + \boxed{} + \boxed{} + \boxed{}$$

Thousands	Hundreds	Tens	Ones
1	0	2	7

Thousands	Hundreds	Tens	Ones

The number is

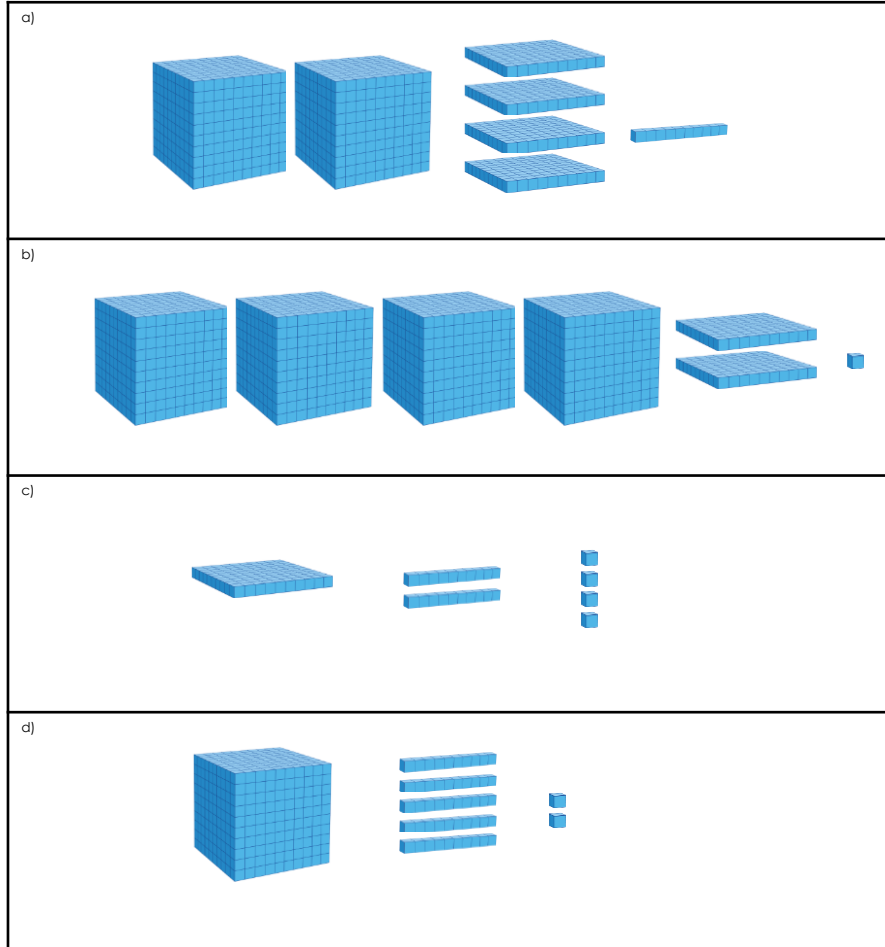




Choose one of the next activity slides, you can do more than one if you wish.



Key Learning: To recognise the place value of each digit in a 4-digit number

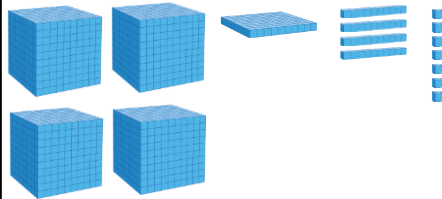


There are __ thousands, __ hundreds, __ tens and __ ones.

The number is ___.

Key Learning: To recognise the place value of each digit in a 4-digit number

Fill in the missing information. The first one has been done for you.

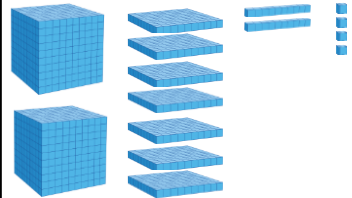


Thousands	Hundreds	Tens	Ones
1,000	100	10	1
1,000		10	1
1,000		10	1
1,000		10	1

There are **4** thousands, **1** hundreds, **4** tens, and **7** ones.

Thousands	Hundreds	Tens	Ones
4	1	4	7

4147 = 4000 + 100 + 40 + 7
The number is **four thousand, one hundred and forty seven.**




Thousands	Hundreds	Tens	Ones

There are ___ thousands, ___ hundreds, ___ tens, and ___ ones.

_____ = _____ + _____ + _____ + _____

Thousands	Hundreds	Tens	Ones

The number is _____



Thousands	Hundreds	Tens	Ones
1,000			
1,000			
1,000			

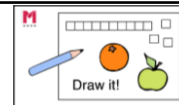
There are **3** thousands, ___ hundreds, **4** tens, and ___ ones.

3046 = 3000 + 40 + 6

Thousands	Hundreds	Tens	Ones
			6

The number is _____

Where does each number lie on a 0–10,000 number line?



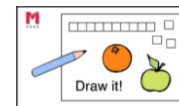
Key Learning: To recognise the place value of each digit in a 4-digit number

Find and correct the mistakes in these representations.



	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Thousands</th> <th style="width: 25%;">Hundreds</th> <th style="width: 25%;">Tens</th> <th style="width: 25%;">Ones</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"> </td> <td></td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> </tbody> </table> <p>There are 4 thousands, 1 hundreds, 3 tens, and 7 ones. $4147 = 4000 + 400 + 10 + 7$ The number is four thousand, one hundred and forty seven.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Thousands</th> <th style="width: 25%;">Hundreds</th> <th style="width: 25%;">Tens</th> <th style="width: 25%;">Ones</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">4</td> <td style="text-align: center;">1</td> <td style="text-align: center;">4</td> <td style="text-align: center;">7</td> </tr> </tbody> </table>	Thousands	Hundreds	Tens	Ones					Thousands	Hundreds	Tens	Ones	4	1	4	7
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Where does each number lie on a 0–10,000 number line?



Challenge: Making a number

- What is the largest number you could make using all these digits?
- What is the smallest number you could make using all these digits?
- What is the nearest number to 5,000 you could make?

4

3

0

7

