Year 5 and 6 maths flip homework Summer holidays

The Value of Each Digit in a Number

Digits

A digit is a single numeral

There are 10 digits: 0, 1, 2, 3, 4, 5, 6, 7, 8 and 9

Every other number is made from combining these digits

1 digit numbers

0
1
2
3
4
5
6
7
8
9

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Digits

Can you think of some 2 digit numbers?

13
26
34
57
89
All the numbers from 10 to 99

Can you think of some 3 digit numbers?

467
312
897
692
158
All the numbers from 100 to 999

Can you think of some 4 digit numbers?

1,256
7,893
4,674
9,032
5,810
All the numbers from 1,000 to 9,999

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Place Value

Value means what something is worth

The place of a digit within a number decides its value

The value of the digits in blue in each number below is different because the digit is in a different place

1	4	8
10	46	81
100	439	868
1,000	4,672	8,295

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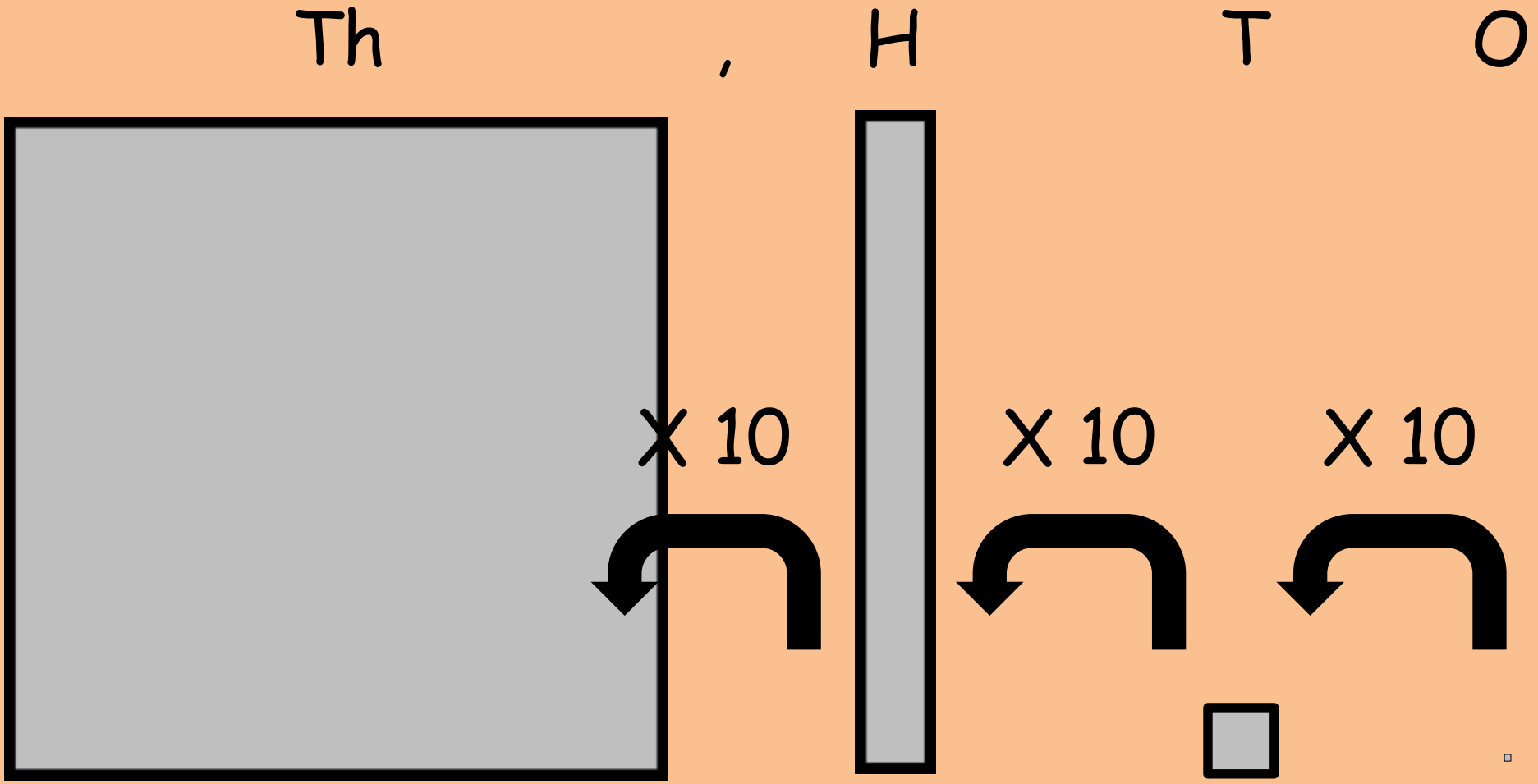
Base Ten

For each place that a digit moves to the left, it is worth ten times as much



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Zero As a Place Value Holder

We represent this by using zero as a 'place value holder'

The zero is not worth anything itself, but it changes the value of the other digit

Th	,	H	T	O
				4
			40	
		400		
4,000				

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Place Value

What is the value of the blue digits in each number?

1	4	8
10	46	81
100	439	868
1,000	4,672	8,295

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M , HTh TTh Th , H T O

Ones

Tens

Hundreds

Thousands

Ten thousands

Hundred thousands

Millions

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M	,	HTh	TTh	Th	,	H	T	O
								4
							40	
						400		
					4,000			
				40,000				
			400,000					
		4,000,000						

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What You Need to Do

You need to give the value of the underlined digit:

a) as a number in figures

b) for the column it is in

c) as a number in words

1) 6<u>7</u>2 a) 70 b) 7 tens c) Seventy

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Your turn!

1) Write **2** different **four** digit numbers on your whiteboard
(make up your own – do not copy anyone else's)

2) Underline a digit

3) Write the value of the digit (a, b and c)

4) Show it to an adult

5) Repeat the above, but for **seven** digit numbers

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How Your Work Should Look

Do write the question and underline the digit

Leave a blank line after each question

Write answer (a) , (b) and (c)

	1)	6<u>7</u>2		a) 70		b) 7 tens				c) Seventy			
	2)	<u>9</u>42		a) 900		b) 9 hundreds				c) Nine hundred			

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B , HM TM M , HTh TTh Th , H T O

Ones

Tens

Hundreds

Thousands

Ten thousands

Hundred thousands

Millions

Ten millions

Hundred millions

Billions

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Number Words

One
Two
Three
Four
Five
Six
Seven
Eight
Nine
Ten

Eleven
Twelve
Thirteen
Fourteen
Fifteen
Sixteen
Seventeen
Eighteen
Nineteen

Twenty
Thirty
Forty
Fifty
Sixty
Seventy
Eighty
Ninety

Hundred
Thousand
Million
Billion

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