

Maths oewek 1, lesson 1

Warm up task

Log in to times tables Rock-stars and complete 5 rounds of soundcheck!



Learning Objective	To know the value of digits up to 1,000,000
Success Criteria	I can use the place value grid in the pack to help me know a digits correct value. I know that the digit position (place value) determines the value of that number. I understand how to identify the value of a digit, I can express this in numbers and words.



<https://youtu.be/T5Qf0qSSJFI>

Bronze reasoning:

Write these numbers in **order of size**.

















456 299 901 472 575

--	--	--	--	--


Smallest

1 mark

In the circles below, write the number which has four thousands, one hundred and three tens.

TH	H	T	U
			
			
			
			

Q1. Write these numbers in **order of size**.

 456 299 901 472 575

--	--	--	--	--

smallest

1 mark

Write the value of the underlined digit.

- | | | | | |
|-----------------|----------------|----------------|----------------|------------------|
| 1. 4 <u>3</u> 5 | 3. <u>8</u> 26 | 5. 20 <u>7</u> | 7. <u>2</u> 85 | 9. 23 <u>8</u> |
| 2. <u>7</u> 64 | 4. <u>3</u> 87 | 6. <u>8</u> 20 | 8. <u>3</u> 67 | 10. 7 <u>1</u> 6 |

Silver fluency

read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit

Explain what each digit represents in whole numbers and decimals with up to two places and partition, round and order these numbers.

Answer problems such as

- What is the value of the 7 in 3 274 105?
- Write in figures forty thousand and twenty.
- A number is partitioned like this:

$$4\ 000\ 000 + 200\ 000 + 60\ 000 + 300 + 50 + 8$$

Write the number. Now read it to me.

- A car costs more than £8600 but less than £9100. Tick the prices that the car might cost.

£8569 £9090 £9130 £8999

Gold fluency

3) Write the following figures in words;

a) 143948	b) 3395
c) 9350124	d) 28902841
e) 23842	f) 4003482

Silver reasoning:

What are the biggest and smallest whole numbers that you can make with these digits?

11. 3, 2, 5, 4, 0

12. 8, 3, 0, 7, 6, 2

13. 3, 4, 6, 4, 3, 2

14. 4, 5, 6, 4, 8, 0

4. My number has four digits. It is this year's date plus 637.
What's my number?

Silver problem solving:

1. My number has four digits. It is smaller than 6000 but bigger than 5000. The hundreds digit is smaller than 8 but bigger than 6. The tens digit is an odd number smaller than 5 but bigger than 1. The units digit is in the 3 times table and is bigger than 4 but smaller than 8. What's my number?

Gold problem solving

My number has three digits. The units digit is 72 less than 81. The hundreds digit is an odd number which is bigger than 1 but smaller than 4. The tens digit is the same as $5 + 4$.
What's my number?

Make up a problem for your family!