Diving into Mastery

Read and Write Numbers to 10 000 000

Diving into Mastery Guidance for Educators

Each activity sheet is split into three sections, diving, deeper and deepest, which are represented by the following icons:

Diving

Deeper

Deepest

These carefully designed activities take your children through a learning journey, initially ensuring they are fluent with the key concept being taught; then applying this to a range of reasoning and problem-solving activities.

These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section and in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are applying this to show their depth of understanding.

National Curriculum Aim

- Read and write numbers up to 10 000 000 and determine the value of each digit

Read and Write Numbers to 10 000 000 | **Diving**

Write these numbers in numerals.

five and a half million	two million, six hundred and one thousand and twenty-one	three million, seventeen thousand, four hundred and eighty.
5 500 000	**2 601 021**	**3 017 480**

Write these numbers in words.

2 703 045	8 082 154	3 210 033
two million, seven hundred and three thousand and forty-five	**eight million, eighty-two thousand, one hundred and fifty-four**	**three million, two hundred and ten thousand and thirty-three**

Read and Write Numbers to 10 000 000 | Diving

Write the number represented on the place value chart in numerals and words.

M	H	T	O	H	T	O
●		● ● ● ● ● ●	● ●	● ● ●		● ● ● ● ● ● ●

1 062 307

one million, sixty-two thousand, three hundred and seven

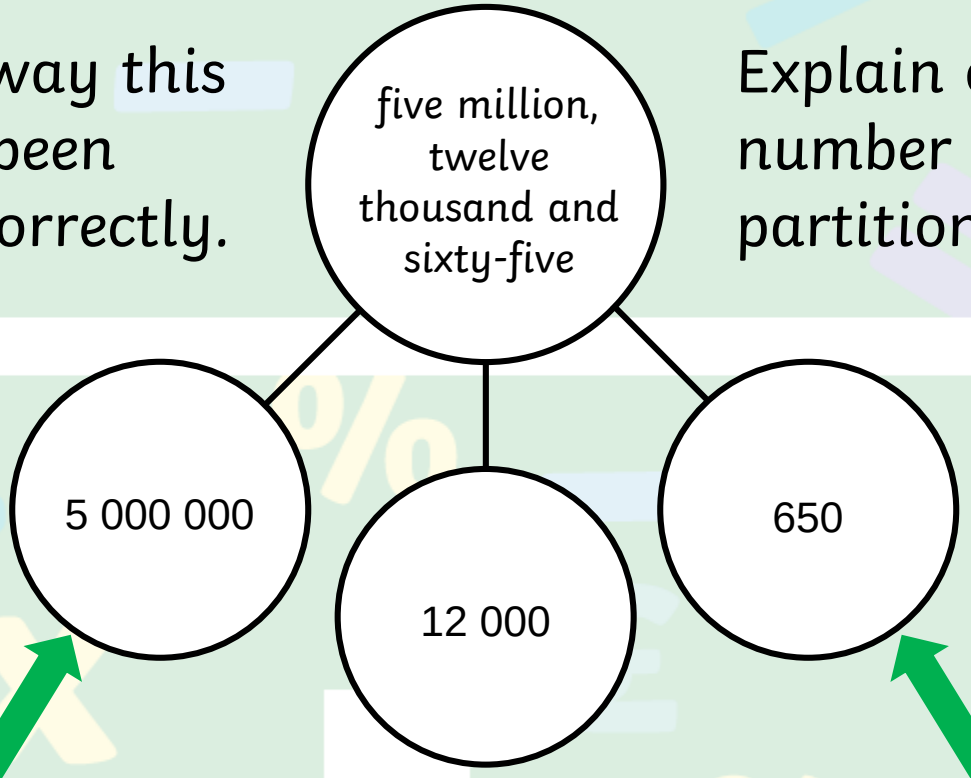
Read and Write Numbers to 10 000 000 | Deeper

Which is the odd one out? Prove it.
Can you give three different answers?

A	B	C
2 580 610	2 570 620	2 470 240
A is the only number with an odd tens digit.	B is the only number that when you add the millions digit and the hundred thousands digit, it equals the tens of thousands digit.	C is the only number with a hundred thousands digit of 4.

Read and Write Numbers to 10 000 000 | Deeper

Explain one way this number has been partitioned correctly.



Explain one way this number has been partitioned incorrectly.

The millions and thousands are partitioned correctly.

This should be 65.

Read and Write Numbers to 10 000 000 | **Deepest**

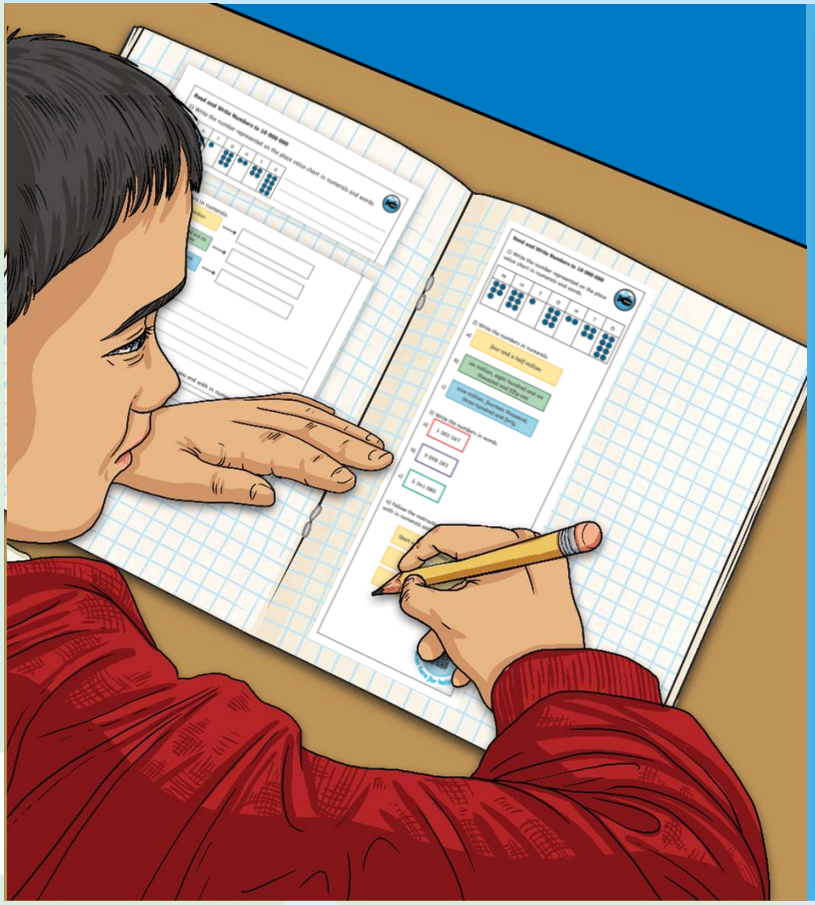
Write six different 7-digit numbers using each word no more than once.
You do not need to use all the words for each number.
Then, write each number in numerals.

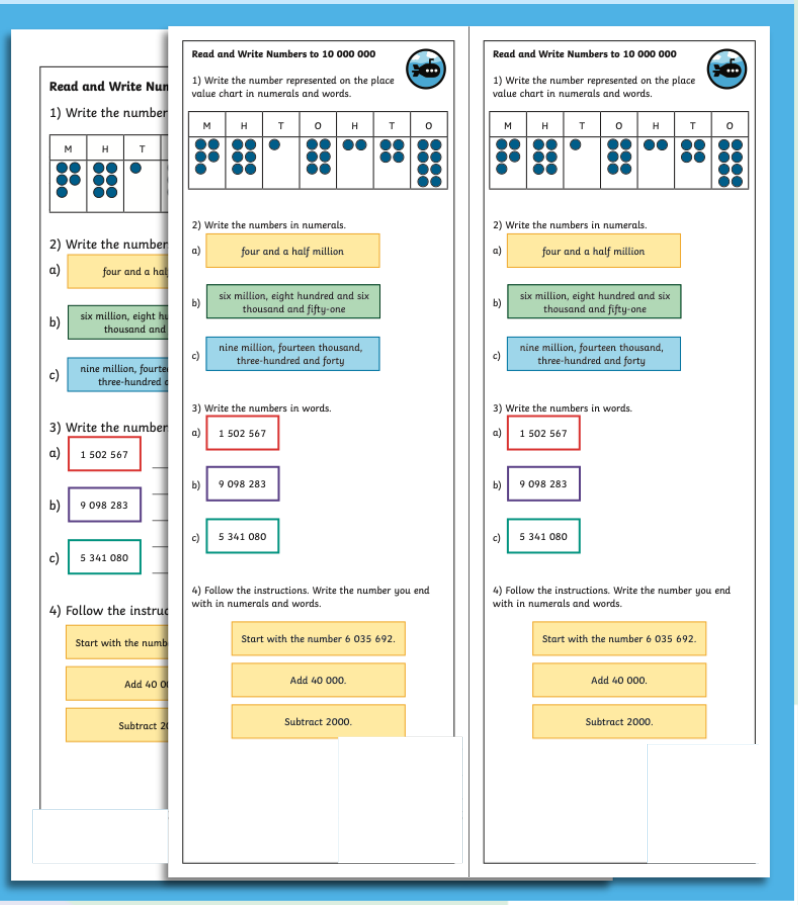
hundred	eight	four	two		
thousand	and	million			

There are many possible answers. For example:
eight million, four hundred thousand and two, 8 400 002
two million, eight thousand and four, 2 008 004
four million, eight hundred and two, 4 000 802

Read and Write Numbers to 10 000 000

Dive in by completing your own activity!





Need Planning to Complement this Resource?

National Curriculum Aim

Read and write numbers up to 10 000 000 and determine the value of each digit