Number and Place Value Prior Assessment Question 2:

Q2 I can write amounts up to 7 digits.

I can write up to 7 digit amounts when 0 is used as a place holder.

NPV 1: read, write, order and compare numbers up to 1 000 000 and determine the value

Teacher Input Ideas:

- Children to be given place value cards to explore different amounts up to 7 digits. They could then record these on place value tables/ charts when an amount is read aloud to them or written in words.
- Explore amounts written in word form or read aloud. Explore when and why a zero is used and discuss how we can ensure that we have the correct number of digits for the amount that is said. You could play a game, such as children could hold up the digit cards when each amount is read aloud. Explore numbers such as 306, 876. Model listening to the amounts alongside using a place value chart where the children can write in the columns the amounts that are read aloud. For example, "I can hear 3 hundred thousand so I place a 3 here, the next column is tens of thousands. I can hear I have 6 thousand so therefore I need to place a 0 in the tens of thousands as we have no tens of thousands."
- Practise counting from different larger numbers in different amounts: such as 34,599 adding 1, 10 or 100 each time and observe what happens to the size of the number and the position of the digits. Cross boundaries to show the children why there is a need for the different columns.

Practice Activities

Purple Practice: Most suited for children that made errors in Question 2 and need to secure writing 4, 5 and 6 digit amounts.

The purple task requires the children to read amounts written in figures and match them to the correct amount written in words. The children are provided with 4,5 and 6 digit amounts. Children who need to secure reading 4 and 5 digit amounts could be given only these amounts first and less of the green blocks written in words. The children are provided with more green blocks than purple as some of the amounts are incorrect amounts to challenge the children.

Green Practice: Most suited for children that made errors in Question 2 a, b and c with 5 and 6 digit amounts that do not contain zero as a place holder.

The children are to read the amounts and write these in digits. For instant feedback and assessment, these can be cut out and stuck onto the bottom of strips of paper. Then the strip can be folded in half so that the amount is displayed on the outside of the card. On the inside or reverse of the card the answers (sheet two) can be cut out and stuck on so that the children can lift the flap or turn over the card to see instantly if they are correct. The children can then review if they have made progress towards the objective and they can be easily regrouped and given more support during the lesson if children are making errors.

Alternatively, the children can have these cut up and scattered on the table for children to choose amounts. Cards could also be selected /given by yourself using the assessment to help group and select.

Yellow Practice Most suited for children made errors in question 2 d and e and will benefit from writing amounts which include zeroes.

As above the task can be presented so that the children can have instant feedback by displaying the answers on the reverse of the question blocks. The questions include amounts up to one million, which include zeroes as place holders.

Mastery

For this mastery task, the children are provided with amounts written in words and need to write these in figures into the correct boxes. The children should be encouraged to suggest starting points to help them to solve this problem such as:

- writing the amounts in figures first underneath each written amount
- counting how many places each set of boxes has, to help them to decide which amounts can be ruled out straight away
- looking for any clues in the digits that have been provided in the boxes already

The children are required to apply a variety of problem solving skills, apply their understanding of using zero as a place holder and write amounts in figures.

Answers

Purple:

30273 thirty thousand, two hundred and seventy three

63721 sixty three thousand, seven hundred and twenty one

13561 thirteen thousand, five hundred and sixty one

45389 forty five thousand, three hundred and eighty nine

9864 nine thousand eight hundred and sixty four

53263 fifty three thousand, two hundred and sixty three

521681 five hundred and twenty one thousand, six hundred and eighty one.

53111 fifty three thousand one hundred and eleven

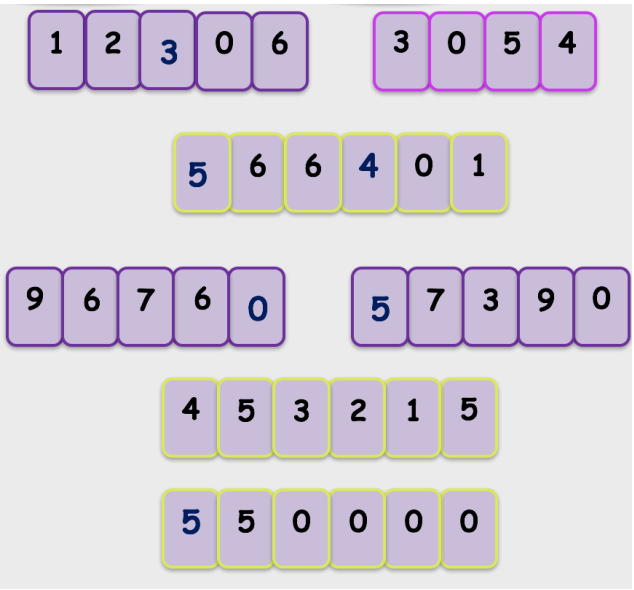
Green :

Answers on second sheet of the green tasks

Yellow:

Answers on second sheet of the yellow tasks

Mastery:



BRICKWORK Mathematics

Purple Activity

LO: I can write amounts using digits.

Match a purple block to the correct green block.

30273	63721	13561	45389
9864	53263	521681	53111

- Five hundred and twenty-one thousand, six hundred and eighty-one
- Thirteen thousand, five hundred and sixteen
- Thirty thousand, two hundred and seventy-three
- Six thousand, three hundred and seventy-two
- Fifty-three thousand, one hundred and eleven
- Sixty-three thousand, seven hundred and twenty-one
- Ninety-eight thousand and sixty-four
- Thirteen thousand, five hundred and sixty-one
- Nine thousand, eight hundred and sixty-four
- Five hundred thousand, three hundred and sixty-three
- Five hundred and two thousand, sixteen hundred and eighty-one
- Forty-five thousand, three hundred and eighty-nine
- Four hundred and fifty-three thousand and eighty-nine
- Fifty-three thousand, two hundred and sixty-three

Challenge: Can you write the amounts using digits for the green blocks that were not used?

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Green Practice

Lo: I can write up to 7 digit amounts

Read the amounts and write down the number in figures.

Twenty-five thousand, four hundred and seventy-two	Ninety-four thousand, five hundred and twelve	One hundred and seventy-seven thousand, two hundred and eighty-three
Five hundred and fifty-four thousand, two hundred and fourteen	Seven thousand, nine hundred and ninety-nine	Six hundred and fifty-four thousand, seven hundred and twenty-two
Eight hundred and fifteen thousand, six hundred and forty-one	Five hundred and twenty-two thousand, two hundred and twelve	Three hundred and fifty-one thousand, two hundred and sixty-four
Five hundred and fourteen thousand, two hundred and seventeen	Nineteen thousand, one hundred and sixty-eight	Fifty-three thousand, five hundred and eleven
Six hundred and eleven thousand, four hundred and thirteen	Sixty-one thousand, one hundred and seventeen	Eight hundred and fifty-six thousand, one hundred and fourteen.

BRICKWORK Mathematics

Green Practice: Sheet 2

Lo: I can write up to 7 digit amounts.

Check your answers here.

25472	94512	177283
554214	7999	654722
815641	522212	351264
514217	19168	53511
611413	61117	856114

BRICKWORK Mathematics

Yellow Practice

Lo: I can write amounts up to a million using digits, including numbers with zeroes.

Read the amounts and write down the number in digits.

Fifty four thousand, seven hundred and fifty	Ninety thousand, six hundred and fourteen	Seventy five thousand and ten
One hundred and fifty four thousand, six hundred and two	Seven hundred and forty thousand and eighty two	Six hundred and fifty five thousand, three hundred and ninety
Nine hundred and fifty four thousand, six hundred and seven	Nineteen thousand four hundred and one	Forty thousand and ten
Seventy two thousand, six hundred and nineteen	Seven hundred and twenty thousand, six hundred	Five hundred and six thousand, two hundred and three
Nine hundred thousand and fifty	Six hundred thousand and eleven	Two hundred and two thousand and two

BRICKWORK Mathematics

Yellow Practice

Lo: I can write amounts up to a million using digits, including numbers with zeroes.

Check your answers.

54750	90614	75010
154602	740082	655390
954607	19401	40010
72619	720600	506203
900050	600011	202002

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Mastery

Problem solving

Look at the amounts written in words and write these amounts in figures, selecting the correct set of boxes.

Four hundred and fifty three thousand two hundred and fifteen.

Five hundred and fifty thousand.

Three thousand and fifty four.

Twelve thousand three hundred and six.

Five hundred and sixty six thousand, four hundred and one

Ninety-six thousand, seven hundred and sixty.

Fifty seven thousand, three hundred and ninety.