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Whole Numbers

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Learning Objective:

- Identify the place values of numbers up to one hundred thousand (100 000).
- Read and write numbers up to one hundred thousand (100 000).

Let's Talk Math:

- Ask pupils why numbers are important.
- They will have many real-life examples of how and why they use numbers and see them being used in their lives.

Make Sure You Have:

- Activity Cards
- Bowls   Front   Back

Activity: Number Match Challenge

Duration: 1 Lesson   **Group Activity**

Let's Try It:

- Prepare two sets of 6-digit number cards: Cards with numbers written in numerals and cards with numbers written in words.
- Divide the class into 4 groups: A, B, C, and D.
- Group A picks a card from the "Numerals" basket and reads the number aloud.
- Group B listens, discusses, and writes the number in figures on the whiteboard.
- Group B then picks a card from the "Numerals" basket. And Group A writes the number in figures on the whiteboard.
- The group with all correct answers wins the round
- The other two groups follow the same steps as in the first round.
- The teacher reads a number aloud, and both groups must write the correct answer.
- The first group to write all correct answers wins.
- Reversed Process: Instead of reading the number, groups pick cards from the "Numbers in Words" basket.
- They show the card to the other group, and the opposing group writes the number in figures

Assessment: Read out five 6-digit numbers, and after each number, say a place value up to hundred thousand. Ask pupils to write them down, in digits, and circle the stated place value. Ask them to peer review at the end.

Addition and Subtraction

Learning Objective:
- Add numbers up to 5-digits.
- Subtract numbers up to 5-digits.

Let's Talk Math:
- Ask the pupils if they think that numbers are complicated.
- Ask pupils how they feel about learning different kind of numbers.

Make Sure You Have: Activity Cards

Complete these addition sums. Add the rows and columns to find the totals.		
35789	2954	
37820	26897	

Work out the difference between the pair of numbers:

2345   5432

Show working here:

Activity: Number Adventure

Duration: 1 Lesson   **Individual Activity**

Let's Try It:

Part 1: Addition
- Provide each student with an activity card containing numbers arranged in rows and columns.
- Pupils will add the rows horizontally and add the columns vertically.
- They will write their answers in the given spaces on the card.
- Once completed, the activity cards will be peer checked.

Part 2: Subtraction of Complex Numbers
- Distribute activity cards containing subtraction sums of complex numbers.
- Time the activity to introduce a challenge.
- Once finished, the activity cards will be peer reviewed.

Assessment: Give pupils time at their desks to go through the activity cards to understand the given task well. This should be done silently. After, have pupils peer review, remind them to remember to write numbers in correct rows and columns.

Division and Multiplication

Learning Objective:
- Solve real-life situations involving multiplication of numbers up to 4-digit by 2-digit.
- Solve real-life situations involving division of numbers up to 4-digit by a number up to 2-digits.

Let's Talk Math: Ask them to think out loud about how their knowledge of numbers improves the quality of their lives.

Make Sure You Have:

- Activity Cards
- A4 Sheets

Javeria has a bag of 45 cherries to evenly split up into her 3 school lunches for the week. How many cherries will she get to eat each week?	__ cherries each day.
Shahid started typing his story book over the weekend. He typed for 3 hours and completed 15 pages with 240 words on each page. How many words did he type in an hour?	___ words in an hour.

Activity: Number Puzzles

Duration: 1 Lesson   **Pair Activity**

Let's Try It:
- Pupils have prior experience with multiplying and dividing smaller numbers, so they will now tackle complex numbers.
- Prepare activity cards with multiplication and division sums of complex numbers.
- Distribute the cards to each student.
- Time the activity for added challenge.
- After completion, have the activity cards peer checked.
- Make pairs of the students and provide each pair with an A4 sheet.
- Ask each pair to create at least five sums of 3-digit number patterns, containing 5 to 10 terms.
- After completing their sums, the students will swap sheets with their peers.
- Each partner will complete the sequence and define the rule for finding the next term.
- They will also identify whether the sequence is in ascending or descending order.

Assessment: Show them activity cards with simple multiplication and division word problems. Ask them to solve individually and write their answers on the white boards to share with other pupils.