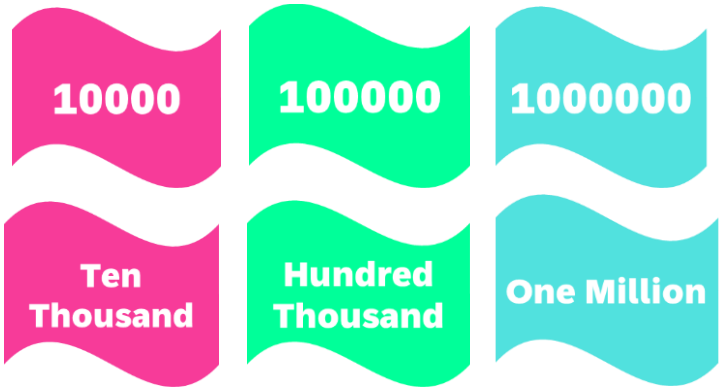
Numbers up to One Million

Learning Objective:

- Read numbers up to 1,000,000 (one million) in numerals and words.
- Write numbers up to 1,000,000 (one million) in numerals and words

Let's Talk Math: Ask the class if anyone has ever had to use very large numbers for number operations in real-life.

Make Sure You Have: Number Cards



Activity: Figures and Words

Duration: 1 Lesson **Whole Class Activity**

Let's Try It:

- Prepare two sets of number cards.
- One set should have 6 or 7-digit numbers written in figures.
- The second set should have the same numbers written in words.
- Distribute the cards among the pupils.
- Select one pupil to show their card to the class.
- If the card has a number written in figures, other pupils should quickly check if they have the matching card with the number written in words.
- The pupil with the matching card should read the number aloud.
- If the card is in words, pupils will find the matching card with the number in figures.
- Once a pair is found, stick both cards on the board.
- Repeat the process until all cards are paired.

Assessment: Show number cards randomly and ask students to identify the number and the name in words.

Number Operations

Learning Objective:

- Add numbers up to 6-digit numbers.
- Subtract numbers up to 6-digit numbers
- Multiply numbers, up to 5-digit, by 10, 100, and 1000
- Divide a number up to 5-digit numbers by 10,100 and 1000.

Let's Talk Math: It would be useful to discuss some interesting situations where we may have to deal with big numbers in real-life.

Make Sure You Have: Activity Cards

Add the rows and columns to find the total of addition square

198462	**201546**	
340786		
	137419	

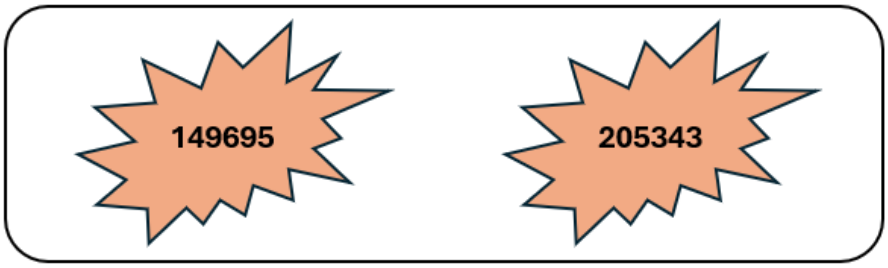
Write the missing numbers

a) 486238 × _____= 48623800 **b) 0.07 × _____= 7**

c) _____ ÷ 1000 = 0.0069432 **d) 387200 ÷ 10 = _____**

e) _____ × 100 = 9413

Find the difference between these two numbers



Activity: Math Fun Card Challenge

Duration: 1 Lesson **Whole Class Activity**

Let's Try It:

- Provide each pupil with an activity card with questions on any of the four operations.
- This activity can be used for addition or subtraction of complex numbers and multiplication/ division of numbers up to 6-digits.
- Time the activity and get the activity cards peer checked.

Assessment: Give the pupils some multiplication and division exercises to do in class.

Number Patterns

Learning Objective:

- Identify and apply a pattern rule to determine missing elements for a given pattern.
- Identify the pattern rule of a given increasing and decreasing pattern and extend the pattern for the next three terms

Let's Talk Math: Ask the class if anyone has ever had to use very large numbers for number operations in real-life. If anyone has, encourage them to share with the class, but if not, ask if they think that being comfortable with could be helpful in real-life.

Make Sure You Have: Activity Sheets

Look at the number patterns and encircle them as shown.							
Count by 1s from 32 to 37				Count by 2s from 100 to 88			
Count by 2s from 2 to 12				Count by 3s from 41 to 53			
Count by 10s from 10 to 50				Count by 5s from 15 to 45			
32	33	34	35	36	37	44	67
100	98	96	94	92	90	88	86
23	14	95	90	85	80	75	70
39	41	44	47	50	53	56	59
25	57	58	59	60	61	62	80
30	10	20	30	40	50	43	85
15	20	25	30	35	40	45	67
15	20	25	30	35	40	45	67

Activity: Pattern Detective

Duration: 1 Lesson **Individual Activity**

Let's Try It:

- Write different rules (using any of the four operations) for finding the number pattern in ascending or descending order.
- Give random numbers in rows which satisfy these rules.
- Give one sheet to each pupil. Tell them to find number patterns as instructed.

Assessment: Prepare worksheets and ask pupils to solve them in class and do a peer review.