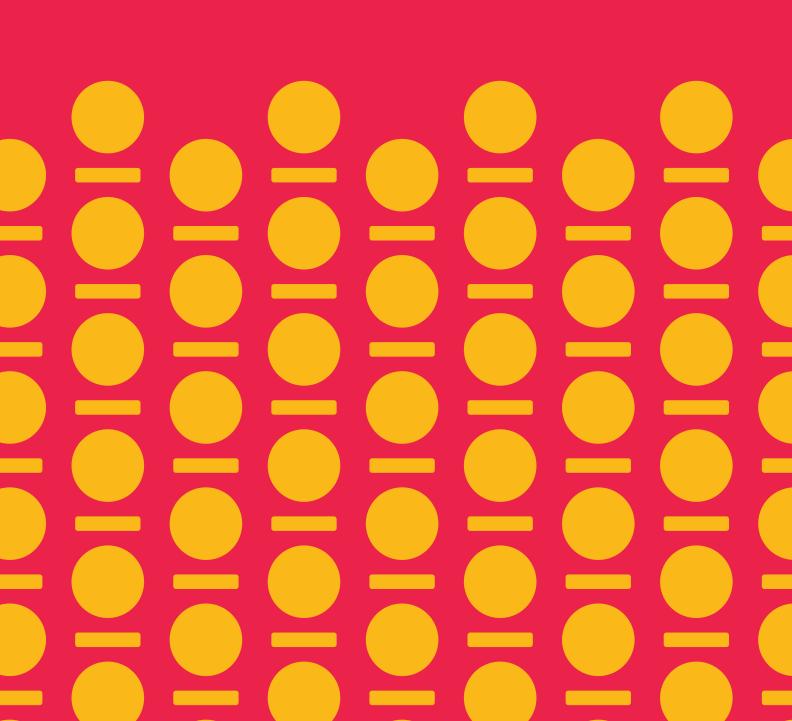
# DOTELINE

1.1

Sample Lessons



### **TABLE OF CONTENTS**

#### **BASIC OPERATIONS**

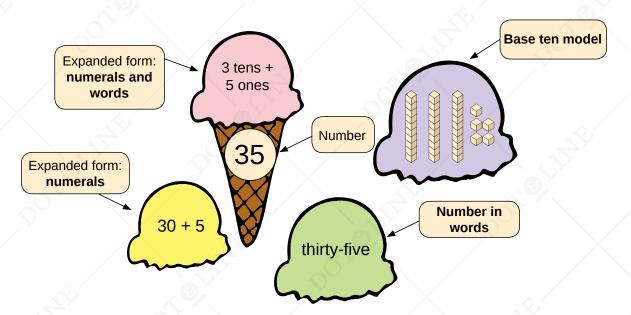
<b>Lesson-1:</b> Introduction to Place Value
Lesson-2: Place Value
Lesson-3: Number Words
Lesson-4: Number Words - Advanced
Lesson-5: Base Ten Blocks
Lesson-6: Expanding Numbers
Lesson-7: Representing Numbers - Review
Lesson-8: Comparing Numbers
Lesson-9: Comparing and Ordering Numbers
Lesson-10: Differences of Ten and Hundred
Lesson-II: Comparing Numbers - Advanced
Lesson-12: Odd and Even Numbers
Lesson-13: Counting by 5 and 25
Lesson-14: Skip Counting by 2, 3 and 5
Lesson-15: Counting backwards by 2 and 5
Lesson-16: Skip Counting by 10
<b>Lesson-17:</b> Counting by 2, 3, 4, 5, and 10
Lesson-18: Counting by Hundreds
<b>Lesson-19:</b> The Regrouping Method
Lesson-20: The Regrouping Method - Advanced
<b>Lesson-21:</b> Addition - 2 Digit Numbers
Lesson-22: Adding using the Regrouping Method
Lesson-23: Adding with Money

<b>Lesson-24:</b> Advanced Addition - 3 Digit Numbers
Lesson-25: Subtraction - 2 and 3 Digit Numbers 61
Lesson-26: Subtracting using the Regrouping Method 65
Lesson-27: Subtracting using the Regrouping Method - Advanced 68
<b>Lesson-28:</b> Mental Math
<b>Lesson-29:</b> How Much More?
<b>Lesson-30:</b> Fact Families
Lesson-31: Sums and Differences
Lesson-32: Larger Numbers
Lesson-33: Concepts in Basic Operations
<b>Lesson-34:</b> Arrays
Lesson-35: Multiplying using Repeated Addition
Lesson-36: Using Skip Counting to Multiply
<b>Lesson-37:</b> Multiplication Made Easy!
<b>Lesson-38:</b> Doubles
Lesson-39: Vertical Method of Multiplication
Lesson-40: Topics in Multiplication
Lesson-41: Introduction to Money
<b>Lesson-42:</b> Adding Money
Lesson-43: Subtracting Money
Lesson-44: Money - Advanced
MEASUREMENT
Lesson-I: Estimating Lengths in Centimetres
Lesson-2: Measuring in Centimetres

Lesson-3: Measuring Objects with a Ruler
Lesson-4: Estimating in Metres - Advanced
<b>Lesson-5:</b> Kilometres
Lesson-6: Kilometres - Word Problems
Lesson-7: Appropriate use of Units of Measurements
<b>Lesson-8:</b> Ordering Units
<b>Lesson-9:</b> Perimeter
Lesson-10: Perimeter - Advanced
Lesson-II: Measuring Mass
Lesson-12: Temperature
GEOMETRY
Lesson-I: Sides and Vertices
<b>Lesson-2:</b> Introduction to Angles
Lesson-3: Equilateral Shapes
Lesson-4: Introduction to Symmetry
Lesson-5: Symmetric Shapes
STATISTICS
<b>Lesson-I:</b> Introduction to Bar Graphs
Lesson-2: Bar Graphs
Tear-able Activities



**Note:** In the previous lessons, we learnt how a number can be represented in different ways. For example, 35 is a two digit number which can be represented using base ten blocks. It can also be written in an expanded form using numerals, words and in a combination of numerals and words.





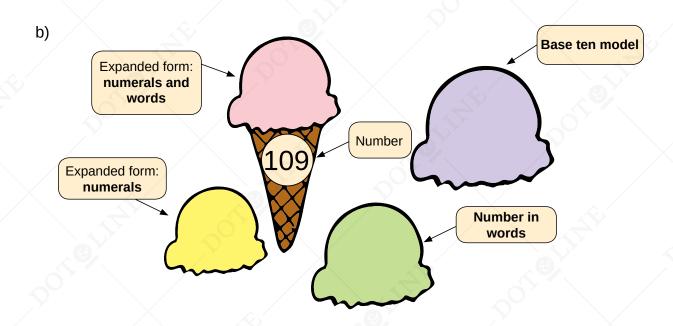
**Tear-able Activity - B.O. 7:** An additional exercise is attached at the end of the book for practical understanding.

1. Using the note given above, fill in the ice-cream scoops to show the different ways of representing a number.

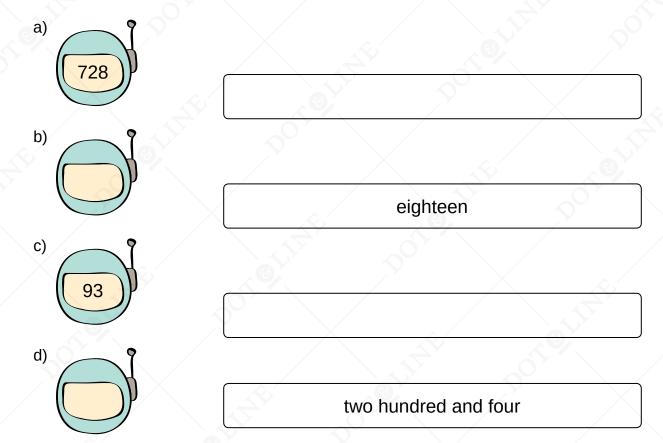


7. Teacher Note: Students will learn to represent numbers using base ten blocks. They will also be able to expand numbers in numerals and in words.

# Lesson-7 Representing Numbers - Review

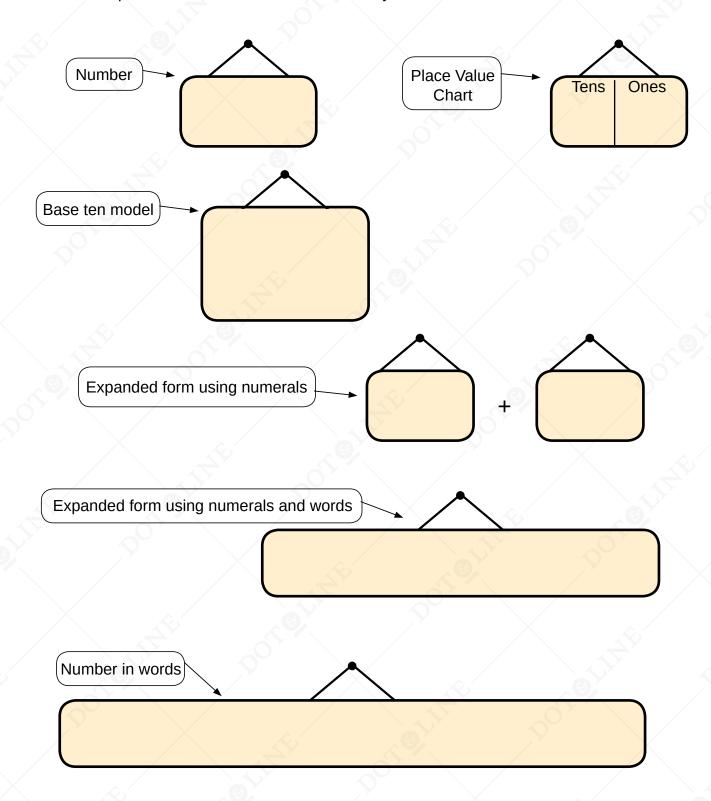


2. Write the missing numbers and number in words.





3. Choose a number between 40 and 50, such that the digit in the tens place is twice the digit in the ones place. Then write it in the different ways listed below.

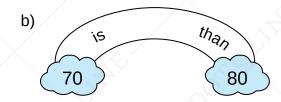


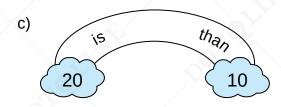
21

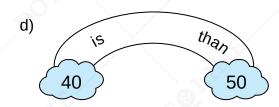
### Lesson-IO Differences of Ten and Hundred

1. Fill in the rainbows using '10 more' or 10 'less.' The first one has been done for you.



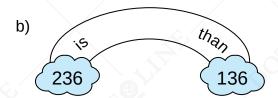




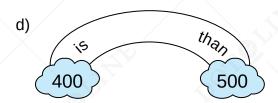


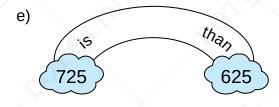
2. Fill in the rainbows using '100 more' or '100 less.' The first one has been done for you.

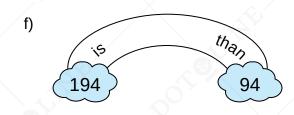








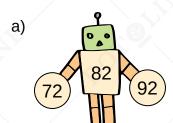


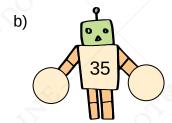


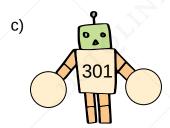
**<sup>10.</sup>Teacher Note:** Students will learn to identify differences of ten and hundred. They will also be able to add and subtract ten or hundred from numbers which are not multiples of 10.

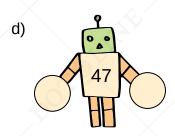
## Lesson-10 Differences of Ten and Hundred

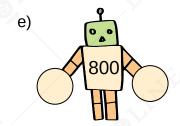
3. Write a number 10 more and 10 less than the number inside the robot. The first one has been done for you.

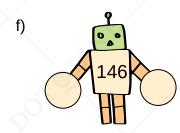












4. Solve the following:

5. Add or subtract the following: