## Contents

1. Rules of the Railroad

- Introduce "good" trains

2. Introducing Full Cars (Tens) and Blocks Leftover (Ones) 7

- One-to-one correspondence
- Count by ones to teens
- Introduce place value
- Write the number

3. Make a Match! (Trains and Numbers)12

- Count by ones to 20
- Match quantities with numbers
- Place value

4. Complete the Trains15

- Count by ones to 20
- Match numbers with quantities
- Place value

5. All Aboard! 19

- One-to-one correspondence
- Count by ones to teens
- Place value
- Write the number

6. How Many?

- One-to-one correspondence
- Count by ones to teens
- Place value
- Write the number

7. Keep on Counting: How Many? 28

- One-to-one correspondence
- Count by tens and ones
- Place value
- Write the number

8. Rolling Trains29

- Make a set from a number
- Count by ones
- Count from any number
- Write the number

9. Keep on Counting: The Number Cube Train 32

- Make a set from a number
- Count from any number
- Write the number

10. Keep on Counting: Magic Number

- Count by ones
- Count from any number

11. Cover the Horse

- Estimate
- Fill a shape
- Count to numbers in the 30 's
- Write the number

12. A Cup of Blocks

- Count to numbers in the 30's
- Write the number

13. Recognizing Geometric Shapes and Their Perimeter

- Recognize basic geometric shapes
- Introduce perimeter
- Draw basic geometric shapes
- Count sets in the teens
- Write the number for a set

14. Classify and Count Patterned Shapes48

- Recognize basic geometric shapes
- Sort objects within a group by two attributes
- One-to-one correspondence
- Count to numbers in the 30 's

15. Cover the Fish

- Estimate
- Fill a shape
- Count to numbers in the 30's
- Write the number

16. Train of Tens (36)

- Count by ones
- Begin counting by tens to 30

17. Keep on Counting: Train of Tens 57

- Count by tens and ones

18. Connect the Dots59

- Order written numbers to the 30 's

19. Ways to Make Ten

- Addition facts
- Match number pairs whose sum is 10
- Write addition number sentences

20. Cover the Cactus

- Estimate
- Fill a shape
- Count to numbers in the 30's
- Write the number

21. One More Passenger - One Less Passenger: How Many are on the Train? 70

- Count to numbers in the 30's
- Compare sets using one more and one less

22. Counting Trains 75

- Count by tens and ones to the 40 's
- Write the number

23. Ten Scoop

- Addition facts
- Identify number pairs whose sum is 10

24. Am I Odd or Even?

- Identify odd and even numbers
- Divide sets
- Count sets

25. Short and Long Trains

- Recognize numbers to the 50's
- Order numbers from least to greatest
- Write the number

26. Growing Cups - Longer Trains

- Estimate by using a reference
- Count to numbers in the 50's
- Write the number
- Introduce ten ones as one ten
- Introduce the vocabulary "block-of-10"
- Identify the place value of the digits

28. Introduction to the 2-Place Mat

- Introduce the 2-place mat
- Identify the place value of the digits

29. Understanding Two Representations of a Number: Linear and Base Ten

- Introduce different representations of a number
- Identify the place value of the digits

30. Keep on Counting: First to $\qquad$ on the Place Value Mat

- Count to higher numbers
- Recognize two-digit numbers
- Identify the place value of the digits

31. Cup to Number Line to Packed

- Count by ones to 30
- Predict the base ten representation of a number
- Compare multiple representations of a number

32. Combine Two Trains 105

- Model and solve 2-digit addition problems

33. Cover the Snowman

- Estimate
- Fill a shape
- Count to numbers in the 40's
- Write the number

34. Twelve Ways to Get to Eleven

- Multiple addends
- Different pairs of addends can make the same sum
- Addition number sentences
- Addition on the number line

35. What's Underneath the Covers?

- Recognize the base ten representation of a number
- Reinforce two representations of a number: linear and base ten
- Identify the place value of the digits

36. Pattern of the Count

- Reinforce one-to-one correspondence
- See, hear and write the pattern of the count
- Recognize the base ten number code of digits 0-9
- Identify the place value of the digits

37. Stacked 3-D Animals

- Make a set for given numbers
- Develop spatial (3-D view) skills

38. Comparing Two Heights

- Measure with non-standard units
- Count by tens and ones
- Compare two numbers using words and symbols

39. Ordering Trains

- Compare and order sets using ordinal numbers
- Build a train to match a drawing
- Count by tens and ones to 30
- Write the number

40. How Many is a Cupful?

- Count by ones or tens to the number 50
- Identify the place value of the digits
- Write the number
- One-to-one correspondence
- Introduce the concept of half
- Divide sets into halves
- Write equality number sentences

42. Measuring with Blocks

- Measure the length of objects with a non-standard unit
- Count by tens and ones
- Record measurements

43. Two Ways to Look at a Quantity: What Does 16 Look Like?

- Model multiple representations of a number
- Reinforce the linear representation and the base ten representation of a number

44. Comparing Trains with Inequality Signs

- Make a set for a given number
- Compare sets using inequality terms and symbols
- Compare attributes of length

45. Making Equal Piles

- Divide sets into halves
- Count sets
- Write the addition number sentence

46. Three Representations of a Number: Linear, Base Ten and Numerical

- Draw and write numbers in three representations
- Identify the place value of the digits

47. Many Ways to Measure with Non-Standard Units 175

- Estimate the length of an object using different units
- Measure objects with non-standard units
- Record numbers for estimates and measurements

48. Counting by Fives

- Count by fives to 50
- Write the multiples of five

49. Counting by Twos and by Threes 184

- Count by twos to 58
- Count by threes to 78
- Count by fives to 95

50. Adding with Trains

- Model and solve addition problems
- Model regrouping ten ones to make a ten
- Write addition number sentences

51. Subtracting with Trains: Getting Off the Train 193

- Model and solve subtraction problems
- Model regrouping a ten to make ten ones
- Write subtraction number sentences

52. Equivalent Numbers on a Balance

- Introduce balance scales
- Reinforce equivalent numbers

53. How Many Blocks Does It Weigh?

- Explore the use of balance scales
- Reinforce equalities

54. Pizza Prep

- Sort objects by single attribute

55. The Kindergarten House of Pizza

- Use 2-D parts to build a whole
- Identify half of a whole object
- Sort items by a single attribute
- Count by tens and ones

56. Digits to Blocks!

- Identify the place value of the digits

57. How Many Packed Blocks?

- Write the number for a set of tens and ones
- Identify the place value of the digits

58. How Many Boots?

- Count to 100
- Recognize three representations of number 100
- Introduce the vocabulary "block-of-100"
- Identify the place value of the digits

59. Let's Get Organized! The 3-Place Mat

- Sort by size
- Identify the place value of the digits
- Read three-digit numbers

60. A Very Long Train: Counting by Tens to Numbers Greater than 100! 232

- Count by tens to numbers greater than one-hundred
- Compare the linear representation of a number to the base ten representation

61. Cover Digi!237

- Estimate
- Fill a shape
- Count past 100
- Write three-digit numbers

62. Unscramble these Blocks! Organizing on the Place Value Mat241

- Organize a collection by size
- Recognize when regrouping is necessary
- Identify the place value of the digits

63. Where Am I? 246

- Relational words
- Shape and number recognition

Appendix

