

MathSmart
Guide
Contents

Curriculum Overview	4
Chapter 1: Numbers 1 to 100	6
1.1 Counting and Writing Numbers	7
1.2 Writing Number Words to 20	10
1.3 Counting Forward	12
1.4 Counting Backward	15
1.5 Comparing and Ordering Numbers	18
1.6 Writing Ordinal Numbers	21
1.7 Equal Parts of a Whole	23
Chapter 2: Addition and Subtraction	26
2.1 Composing Numbers to 20	27
2.2 Decomposing Numbers to 20	29
2.3 Adding Numbers to 20	31
2.4 Subtracting Numbers to 20	34
2.5 Adding and Subtracting Numbers to 20	38
Chapter 3: Money	42
3.1 Identifying and Describing Coins	43
3.2 Counting Coins to 20¢	46
3.3 Adding and Subtracting Money Amounts	49
Chapter 4: Measurement	52
4.1 Measuring Length	53
4.2 Measuring Area	57
4.3 Measuring Capacity	62
4.4 Measuring Mass	65

Chapter 5: Time and Temperature	68
5.1 Telling and Writing Time	69
5.2 Naming the Months of the Year	73
5.3 Reading Dates on a Calendar	78
5.4 Relating Temperatures to Seasons	82
Chapter 6: Shapes	86
6.1 Naming and Describing 2-D Shapes	87
6.2 Naming and Describing 3-D Figures	91
6.3 Identifying the Faces of 3-D Figures	95
6.4 Identifying Symmetry	98
6.5 Drawing Symmetrical Pictures	101
Chapter 7: Locations and Movements	104
7.1 Describing Locations Using Words	105
7.2 Describing Locations on Maps	108
Chapter 8: Patterning and Equality	112
8.1 Exploring Patterns	113
8.2 Demonstrating Equality	118
Chapter 9: Data Management and Probability	122
9.1 Organizing Objects	123
9.2 Reading Pictographs	127
9.3 Making Pictographs	130
9.4 Describing Probability	135
Answers	139

Chapter 1

Numbers 1 to 100

Topics to be covered
in this chapter:

1.1 Counting and Writing Numbers

e.g. Ken has 42 pencil crayons.

1.2 Writing Number Words to 20

e.g. There are eight apples in the basket.

1.3 Counting Forward

e.g. Count forward by 5's from 10.

1.4 Counting Backward

e.g. Count backward by 2's from 20.

1.5 Comparing and Ordering Numbers

e.g. $46 > 41$ means 46 is greater than 41.

My necklace has 14 beads.



1.6 Writing Ordinal Numbers

e.g. What is the colour of the second car?

1.7 Equal Parts of a Whole

e.g.  There are three thirds.


1.1 Counting and Writing Numbers

Julie has put her toys in ten frames. Help her count the toys and write the numbers.

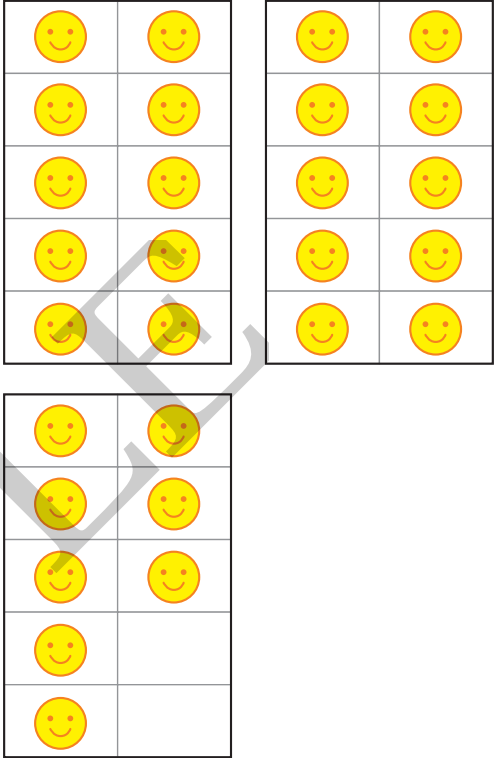
1.




Tens	Ones




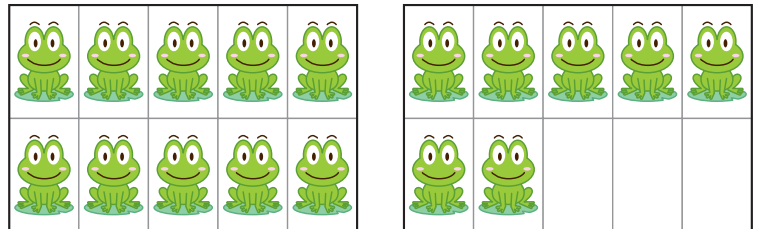
2.




Tens	Ones



3. How many  ?



Tens	Ones




Circle every 10 items. Then count and write the numbers.

4.

A group of 24 oranges arranged in a grid. A small box containing one orange is shown below the group.

e.g.

To make it easier to count, circle every 10 items.

1 ten 2 tens 4 ones

Tens	Ones
2	4

5.

A group of 15 green apples arranged in a grid. A small box containing one apple is shown below the group.

How many apples are there in all?

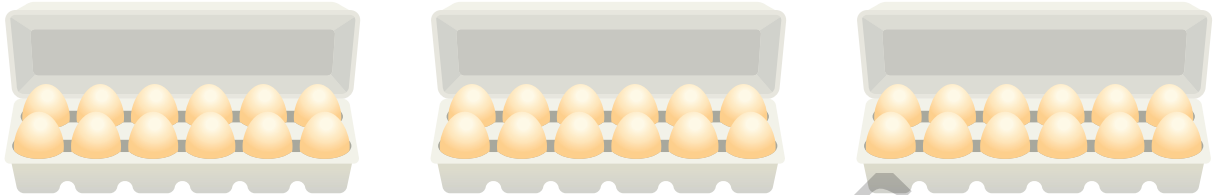


A group of 15 red apples arranged in a grid. A small box containing one apple is shown below the group.

6. _____ apples

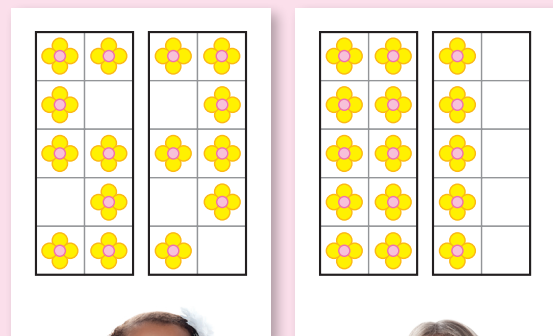
Solve the problems. Show your work.

7. Mrs. Smith has 3 cartons of eggs. Each carton holds 12 eggs. If Mrs. Smith breaks 4 eggs by accident, how many eggs will be unbroken?



Application

- ⑧ *Julia and Amy have the same number of stickers. See how they put their stickers in ten frames. Whose way is better to show the stickers? Explain. Then count how many stickers each girl has.*



Julia



Amy