

MathSmart
Guide
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Chapter 1

Whole Numbers to 1000

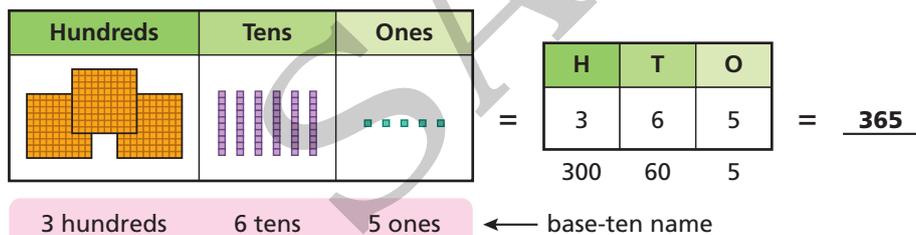
1.1 Writing Whole Numbers to 1000

You can use base-ten materials (such as \$100 bills, \$10 bills, and loonies) or drawings to help your child understand how to write three-digit numbers. Your child will also learn to write two-digit numbers in words.

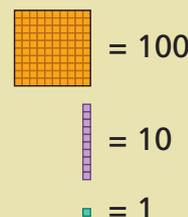
Grasping the Place Value Concept

Place value: the value of a digit in a number is based on its position; for example, in the number 365, the digit 3 in the hundreds place means 300.

Place Value Chart



Base-ten Blocks



Writing Numbers in Words

You can help your child identify the spelling pattern in each group of numbers.

From 11 to 19:

eleven fifteen nineteen
 twelve sixteen
 thirteen seventeen
 fourteen eighteen

Multiples of 10:

twenty fifty eighty
 thirty sixty ninety
 forty seventy



Don't forget the hyphen.



forty-five cookies

1.2 Counting Forward by 1's, 2's, 5's, 10's, 25's, and 100's

When you skip count with your child, start at 0. Once your child understands the concept of skip counting, encourage him or her to start at various numbers to develop competencies.

Here are 3 tools to help your child skip count:

1 A hundreds chart

Count by 2's from 64.

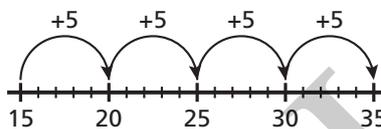
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

64, 66, 68, 70, 72...

The coloured numbers run in columns on the hundreds chart.

2 A number line

Count by 5's from 15.



15, 20, 25, 30, 35

Add 5 each time to get the next number.

3 Coins

Count by 10's.



4 dimes make 40¢.

Count by
2's

Start at

- an even number: the digit in the ones place must be 0, 2, 4, 6, or 8.
e.g. 14, 16, 18, 20, 22...
- an odd number: the digit in the ones place must be 1, 3, 5, 7, or 9.
e.g. 247, 249, 251, 253, 255...

Count by
5's

Start at

- a multiple of 5: the digit in the ones place must be 0 or 5.
e.g. 65, 70, 75, 80...
- any number: the digit in the ones place repeats alternately.
e.g. 132, 137, 142, 147...

Count by
10's
100's
25's

- e.g. 214, 224, 234, 244... ← The digit in the tens place goes up by 1 each time.
- e.g. 214, 314, 414, 514... ← The digit in the hundreds place goes up by 1 each time.
- e.g. 150, 175, 200, 225... ← The core pattern is 00, 25, 50, and 75.