

# APPEARANCE OF CONCEPTS

## MATHEMATICS 3



1. NUMBER THEORY	Appears in Lesson
Counting by 1's to 100	1, 2, 3, 4, 5
Counting by 10's to 100	6, 7, 8, 9, 10
Counting by 5's to 100	11, 12, 13, 14, 15
Counting by 2's to 24	16, 17, 18, 19, 20
Counting by 3's to 36	21, 22, 23, 24, 25
Counting by 6's to 72	26, 27, 28, 29, 30
Counting by 9's to 108	31, 32, 33, 34, 35
Counting by 4's to 48	36, 37, 38, 39, 40
Counting by 8's to 98	41, 42, 43, 44, 45, 46, 47, 48, 49, 50
Counting by 7's to 84	51, 52, 53, 54, 55, 56, 57, 58, 59, 60
Word numbers (0-9,999)	1, 2, 3, 4, 15, 16, 27, 28, 109, 110, 142, 159
(10,000-99,999)	39, 40, 63, 64, 72, 75, 76
(100,000-999,999)	96, 97, 111, 112, 123, 124, 136, 137
(1,000,000-999,999,999)	146, 147, 160
Even and odd	10, 11, 22, 23, 35, 36, 59, 60, 77, 79, 90
Roman numerals	13, 14, 15, 16, 26, 27, 28, 29, 39, 40, 41, 42, 43, 54, 55, 56, 57, 78, 79, 80, 81, 91, 92, 93, 94, 105, 106, 121, 122, 133, 134, 151, 155
Word problems	27, 82
<b>2. PLACE VALUE</b>	
Ones, tens, hundreds, and thousands	1, 2, 3, 4, 5, 16, 17, 18, 19
Ten thousands	30, 31, 32, 33, 36, 37, 44, 45, 46, 47, 48, 49, 58, 59, 60, 66, 67, 68, 69, 71, 72, 73, 74
Hundred thousands	95, 96, 97, 98, 101, 102, 111, 112, 113, 114, 123, 124, 125, 128, 129, 136, 137, 138, 139
Millions, ten millions, and hundred millions	145, 146, 147, 148, 149, 152, 153, 160
<b>3. NUMBER ORDER</b>	
Ordinal numbers	1, 2
Estimation	3, 4, 5, 6
rounding to nearest 10	7, 8, 9, 10, 21, 22, 23, 24, 25, 36, 37, 38, 39, 40, 51, 52, 53, 54, 55, 136, 137, 138, 151, 152, 153, 154
rounding to nearest 100	66, 67, 68, 69, 70, 71, 81, 82, 83, 84, 85, 86, 96, 97, 98, 99, 100, 101, 111, 112, 113, 114, 115, 116, 139, 140, 144, 145, 146, 151, 152, 153, 154, 158
Greater than and less than	11, 12, 13, 21, 22, 23, 27, 34, 35, 44, 45, 52, 53, 63, 64, 71, 72, 76, 81, 82, 86, 87, 88, 93, 96, 98, 102, 106, 110, 111, 125, 136, 137, 138, 155, 156, 157, 158

Equal and not equal	19, 20, 26, 31, 33, 42, 45, 54, 74, 75, 76, 77, 82, 83, 84, 92, 93, 94, 96, 98, 99, 105, 107, 120, 121, 142, 143, 146, 151, 152, 155
Greater than, less than, and equal	55, 57, 101, 113
Distributive principle	61, 62, 63, 64, 65, 76, 77, 79, 80, 86, 87, 96, 97, 107, 108
<b>4. ADDITION</b>	
Carrying	
two numbers double digit	1, 2, 3, 4, 5
two numbers triple digit	6, 7, 8, 9, 10, 11
two numbers four digit	16, 17, 18, 121
three numbers double digit	21, 22, 23
three numbers triple digit	26, 27, 28, 29
three numbers four digit	31, 32, 33, 40
four numbers double digit	51, 52, 53
four numbers triple digit	45, 58, 59, 60
four numbers four digit	63, 64, 65
five numbers double digit	70, 71, 72, 73, 83, 84, 85
five numbers single digit	78, 79, 80
two numbers five digit	122, 123
three numbers five digit	131, 132, 133
five numbers five digit	158
Word problems	4, 5, 14, 15, 16, 17, 20, 22, 28, 31, 38, 39, 43, 47, 52, 53, 59, 60, 78, 79, 82, 83, 85, 87, 88, 92, 93, 95, 100, 114, 115, 127, 136
Addition terms	7, 9, 22, 33, 26, 27, 45, 59, 60, 70, 71, 122, 123
Facts	12, 30, 52
Add 10	15, 20, 44, 45, 50
Equations	18, 19, 20, 21, 22, 24, 33, 34, 36, 37, 41, 42, 43, 46, 47, 48, 51, 52, 53, 68, 67, 71, 72, 96, 97, 111, 112, 139, 141
Addition grouping	21, 22, 23, 24, 35, 36, 37, 46, 47, 59, 88, 89, 90
Write own word problems	23, 29, 32, 42, 57, 133
Add 100	55, 60, 64, 65
Horizontal to vertical	106, 107, 108, 116, 118, 141, 142, 143, 156, 157
Like fractions	116, 117, 118, 119, 120, 159, 160
Mixed numbers	136, 137, 146, 148