MATHS WIZARD

Numeration 3

TEACH YOUR CHILDREN WELL

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TEACH YOUR CHILDREN WELL

Published by:
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Sample Booklet

NOTE: This is just a sample booklet. It ONLY CONTAINS A SMALL NUMBER OF PAGES from the COMPLETE BOOKLET.

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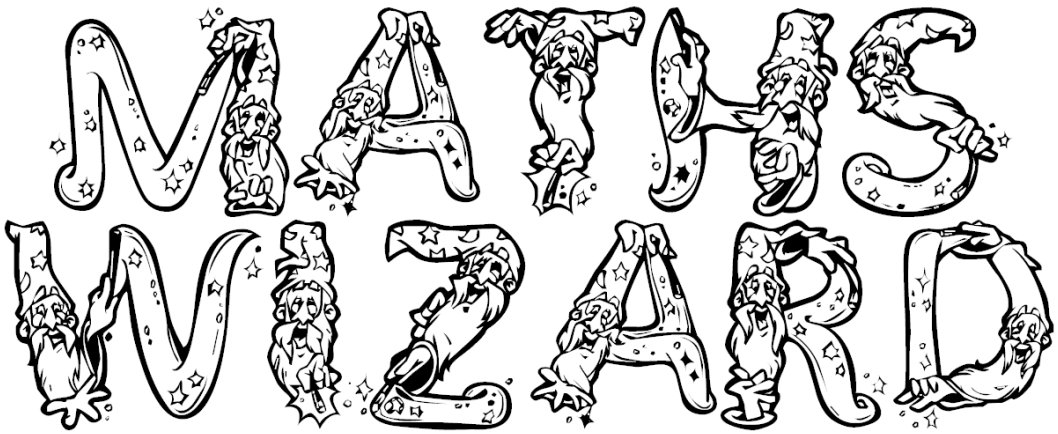
This booklet is part of the



Series

Numeration 3

maths wizard

Pre-test 1 and Post-test 1	These test 301 – 310 Counting Practice by 5s, 10s, before after or between, Common Factors.
Pre-test 2 and Post-test 2	These test 311 – 320 Counting Practice by 5s, 10s, before after or between, Common Factors.
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Numeration 1 – 5	Counting Order – Count by 5s or 10s to 10 000. Write the number before and after the given number up to 10 000. Factors for numbers to 20.
Numeration 6 – 10	Counting Order – Count by 3s or 4s to 1000. Write the number before and after the given number up to 10 000. Factors for numbers to 30.
Numeration 11 – 15	Counting Order – Count by 6s, 7s, 8s or 9s to 200. Expanded notation to 99 999. Factors for numbers to 50.
Numeration 16 – 20	Counting Order –Count by 6s, 7s, 8s or 9s to 1000 Expanded notation to 9 999 999. Factors for numbers to 100.
Numeration 21 – 25	Place Value with 1000s, 100s, 10s and 1s. Ordering 4 or 5 numbers up to 9 999. Multiples of numbers up to 10.
Numeration 26 – 30	Place Value with 1000s, 100s, 10s and 1s. Ordering 4 or 5 numbers up to 99 999. Multiples of numbers up to 12.

Numeration 31 – 35	Place Value with Millions. Ordering 4 or 5 numbers up to 9 999 999. Multiples of numbers up to 15.
Numeration 36 – 40	Place Value with Millions. Ordering 4 or 5 numbers up to 9 999 999. Multiples of numbers up to 20.
Numeration 41 – 45	Writing numbers to match words or words to match numbers up to 99 999. Writing numbers in expanded form to 99 999.
Numeration 46 – 50	Writing numbers to match words or words to match numbers up to 999 999. Writing numbers in expanded form to 999 999.
Numeration 51 – 55	Writing numbers to match words or words to match numbers up to 9 999 999. Writing numbers in expanded form to 999 999.
Numeration 56 – 60	Writing numbers to match words or words to match numbers up to 99 999 999. Writing numbers in expanded form to 999 999.

Numeration 61 – 65	Number Patterns – Rule: = EASY - Add 1 to 9 or Subtract 1 to 9. MEDIUM – more complex than above. Less than / Greater than / = – numbers to 99 999 Rounding Off to nearest 1000 with numbers to 99 999. Prime numbers to 50.
Numeration 66 – 70	Number Patterns – MEDIUM – more complex than above. Less than / Greater than / equal – numbers to 9 999 999. Rounding Off to nearest 10 000 with numbers to 99 999 999. Prime numbers to 100.
Numeration 71 – 75	Mixed Numeration Activities Counting Forwards and backwards by 1s to 9999. Write number Before, After or Between 100–1000 Order Numbers from 1 to 9 999. Write the number from words and words to numbers from 1 to 9 999. Magic Numbers – Increment by 1 or 2 Range 1 – 20 Secret Trails – Range 2 to 20
Numeration 76 – 80	Similar to above but with numbers to 99 999.
Numeration 81 – 85	Mixed Numeration Activities Counting Forwards and backwards by 1s to 1 Mill Order Numbers from 1 to 1 Million. Write from numbers into Expanded form. numbers from 1 to 99 999. Magic Numbers – Increment by 2 (or 1-5) Range 2 – 50 Secret Trails – Range 2 to 50
Numeration 86 – 90	Similar to above. Magic Numbers – Increment by 1-5 Range 5 – 100 Secret Trails –2 to 50 subtract

Name: Date: Score:

Counting Practice and Before / After / Between PRE1

Complete the counting tables.

1. Count by 1 from 4990 to 4994

2. Count by 1 from 7284 to 7288

3. Count by 2 from 6965 to 6973

4. Count by 2 from 5684 to 5692

Complete the counting tables.

5. Count by 5 from 807 to 827

6. Count by 5 from 488 to 508

7. Count by 10 from 3988 to 4028

8. Count by 10 from 9487 to 9527

Fill in the number that comes before, after or between the number(s) given.

9. 1,608 _____ 1,610
10. _____ 3,461
11. 290 _____
12. _____ 8,335
13. 6,066 _____ 6,068
14. 5,372 _____ 5,374
15. 9,792 _____
16. _____ 3,453
17. ___ 39
18. 9,141 _____
19. ___ 28
20. ___ 68

Find all the factors and the GREATEST COMMON factor.

21. 15 _____ __
    10 _____
22. 8 _____ __
    20 _____
23. 12 _____ __
    6 _____

Super Challenge: Find the secret trail.

24.

2	2	3	2
1	2	2	3
(1)	2	2	1
1	2	2	1
		+	(15)

25.

3	2	1	2
1	1	1	3
2	1	1	3
(1)	1	2	2
		+	(14)

Name: Date: Score:

Counting Practice and Expanded Notation PRE-Test 2

Complete the counting tables.

1. Count by 6 from 137 to 161

2. Count by 6 from 32 to 56

3. Count by 7 from 116 to 144

4. Count by 7 from 44 to 72

Complete the counting tables.

5. Count by 8 from 32 to 64

6. Count by 8 from 174 to 206

7. Count by 9 from 193 to 229

8. Count by 9 from 60 to 96

Write each number in expanded form. Say how many 10 000s, 1000s, 100s, 10s and 1s.

9. 36,663 _____

10. 81,592 _____

11. 49,953 _____

12. 63,424 _____

Find all the factors and the GREATEST COMMON factor.

13. 36 _____ __
    44 _____

14. 27 _____ __
    24 _____

15. 28 _____ __
    7 _____

Super Challenge: Find the secret trail.

16.

4	1	2	4
10	5	2	4
(2)	8	8	5
1	1	7	6
		+	(40)

17.

9	6	3	9
(4)	6	5	10
3	2	4	6
8	3	3	1
		+	(23)

Name: Date: Score:

Place Value, Ordering Numbers & Multiples PRE 3

Write the place value of the underlined digit. (Write either ones (Units), tens, hundreds,etc)

1. 2,<u>0</u>88 = _____
2. 1,39<u>6</u> = _____
3. 3,7<u>5</u>7 = _____
4. 2,9<u>3</u>8 = _____
5. 7,7<u>2</u>9 = _____
6. 1,<u>6</u>08 = _____
7. 4,9<u>7</u>0 = _____
8. 8,14<u>9</u> = _____
9. 4,1<u>8</u>6 = _____
10. 8,4<u>0</u>1 = _____
11. 5,6<u>3</u>3 = _____
12. 4,27<u>7</u> = _____
13. 6,<u>7</u>96 = _____
14. 3,9<u>8</u>1 = _____
15. <u>3</u>,225 = _____

Order the numbers from lowest to highest.

16.
17,371
74,629
70,539
34,142

17.
21,270
90,353
40,229
56,770

18.
47,200
10,640
56,664
28,537

19.
41,767
78,134
47,181
36,593

20.
54,927
46,028
18,292
16,529

21.
15,418
31,339
83,480
57,382

List the first 5 multiples for each number.

22. 6 = _____
23. 4 = _____
24. 8 = _____
25. 2 = _____
26. 3 = _____
27. 9 = _____

Challenge: Write the multiples for each number and find the lowest common multiple.

28. 3 _____ ___
8 _____

29. 3 _____ ___
5 _____

30. 6 _____ ___
9 _____

31. 6 _____ ___
7 _____

Name: Date: Score:

Place Value, Ordering Numbers & Multiples PRE 4

Write the place value of the underlined digit. (Write either ones (Units), tens, hundreds,etc)

1. 6̲9,939 = _____
2. 289̲,393 = _____
3. 6,905,1̲48 = _____
4. 78̲2,725 = _____
5. 7̲,810,981 = _____
6. 466,3̲46 = _____
7. 3,777,17̲7 = _____
8. 8,878,43̲8 = _____
9. 6̲,656,709 = _____
10. 2,10̲3,798 = _____

Order the numbers from lowest to highest.

11.
8,846,454
2,465,584
3,205,491
1,528,129

12.
8,127,311
1,745,657
8,013,664
8,017,288

13.
4,077,970
3,414,143
3,636,067
5,735,867

14.
1,622,864
9,067,329
3,725,478
2,303,869

Challenge: Find the magic number. HINT: Number may increment by 1 or 2.

15.

	14	
12	10	8

Magic Number:

16.

	20	12
	24	22

Magic Number:

17.

18		14
		24
	12	

Magic Number:

Challenge: Find the lowest common multiple.

18. 4 _____ ___
13 _____

19. 5 _____ ___
9 _____

Name: Date: Score:

Numbers, Words and Expanded Notation Pre 5

Write the word(s) for each number.

1) **3,056** _____

2) **13,892** _____

3) **24,891** _____

4) **66,443** _____

5) **37,497** _____

6) **14,153** _____

Write the number for each word.

7) _____ eighty-four thousand

8) _____ forty-two thousand eight hundred ninety-nine

9) _____ ninety-six thousand eight hundred sixty-two

10) _____ sixty thousand three hundred nine

11) _____ seven thousand two hundred forty-three

12) _____ sixteen thousand six hundred twenty-four

Write each number in expanded form. Say how many 10 000s, 1000s, 100s, 10s and 1s.

13) 57,010 _____

14) 58,433 _____

15) 64,347 _____

16) 21,697 _____

17) 94,049 _____

Super Challenge:
Find the secret trail.

18)

1	5	6
(1)	4	1
1	5	5
+		(11)

Name: Date: Score:

Numbers, Words and Expanded Notation Pre 6

Write the word(s) for each number.

1) **6,805,923** _____

2) **7,143,653** _____

3) **5,852,291** _____

4) **2,529,656** _____

5) **1,428,074** _____

6) **4,461,251** _____

Write the number for each word.

7) _____ four million four hundred forty-three thousand twenty

8) _____ six million six hundred seven thousand two hundred eighty

9) _____ nine hundred seventy-four thousand three hundred fifty-two

10) _____ four million five hundred thirty thousand seven hundred forty-five

11) _____ two million eight hundred one thousand nine hundred two

12) _____ eight million sixty-two thousand eight hundred ninety-four

Write each number in expanded form. Say how many millions, 100 000s, 10 000s, 1000s, etc. Write answer on and below line.

13) 1,626,179 _____

14) 6,747,753 _____

15) 4,640,000 _____

Super Challenge:
Find the secret trail.

16)

20	5	6
(2)	17	7
2	6	9
	+	(43)

Name: Date: Score:

Number Patterns, <, >, =, Rounding Off, Factors Pre 7

Write the next two numbers in the pattern and the RULE. eg. 2, 4, 6, 8, 10, 12, 14, (add 2)

1. 59, 63, 67, 71, 75, 79, 83, _____
2. 82, 76, 78, 71, 73, 65, 67, _____
3. 62, 60, 59, 56, 55, 51, 50, _____

CHALLENGING Number Patterns for Champions: eg. -1, -3, -5, -7.

4. 62, 60, 59, 56, 55, 51, 50, _____
5. 62, 60, 67, 65, 72, 70, 77, _____

Compare the numbers. Write < (less than), > (greater than) or Equal (=).

6. 2,640 __ 25,030	7. 4,717 __ 91,154	8. 5,420 __ 27,566
9. 3,004 __ 12,900	10. 9,982 __ 7,186	11. 26,664 __ 5,326
12. 9,028 __ 2,297	13. 3,003 __ 9,207	14. 1,227 __ 57,690

Round the number to the NEAREST 1000.

15. 3,741 = _____
16. 26,938 = _____
17. 55,035 = _____
18. 29,203 = _____
19. 97,085 = _____
20. 10,183 = _____
21. 80,102 = _____
22. 21,767 = _____
23. 25,242 = _____
24. 25,261 = _____

Write the BASE Factors. Use a FACTOR TREE to help you. Is it a prime number (Y/N)?

25. 43 = _____
26. 22 = _____
27. 29 = _____
28. 39 = _____
29. 2 = _____
30. 42 = _____

Name: Date: Score:

Mixed Numeration Activities PRE-TEST 8

Challenge: Count forwards.

1. Count by 1 from 3308 to 3312

2. Count by 1 from 3284 to 3288

Challenge: Count backwards.

3. Count by 1 from 4123 to 4119

4. Count by 1 from 2274 to 2270

Fill in the number that comes before and after the given number(s).

5. ____ 833 ____
6. ____ 466 ____
7. ____ 209 ____
8. ____ 753 ____
9. ____ 106 ____
10. ____ 186 ____

Order the numbers from lowest to highest.

11.	12.	13.	14.
3,315	198	746	2,166
834	4,617	705	140
8,662	865	2,918	8,348
517	631	555	862
614	6,845	6,494	7,942

Write the number for each word.

15. _____ six hundred sixty-one
16. _____ nine thousand four hundred twenty-six
17. _____ seven hundred fifty-six
18. _____ eight thousand seven hundred fifty-nine

Write in expanded form. eg. 56 = 50+6

19. 87,223 _____
20. 69,540 _____
21. 53,777 _____
22. 32,294 _____

Challenge: Find the magic number.

23.

15		11
10		18
		13

Magic Number:

24.

4		
	7	3
	5	10

Magic Number:

Super Challenge: Find the secret trail.

25.

11	8	13
(8)	7	14
10	7	11
	+	(52)

26.

2	5	15
(3)	15	5
10	3	5
	+	(33)

Name: Date: Score:

Mixed Numeration Activities PRETEST 9

Challenge: Count forwards.

1. Count by 10 from 8958 to 8998

2. Count by 10 from 5642 to 5682

Challenge: Count backwards.

3. Count by 10 from 1401 to 1361

4. Count by 10 from 9202 to 9162

Fill in the number that comes before and after the given number(s).

5. _____ 7,596 _____
6. _____ 2,093 _____
7. _____ 4,736 _____
8. _____ 3,180 _____
9. _____ 5,049 _____
10. _____ 6,433 _____

Order the numbers from lowest to highest.

11.
633,481
235,047
330,808
707,615
694,341

12.
824,593
462,216
507,848
388,374
824,746

13.
848,820
236,007
644,111
443,235
278,234

Write the number for each word.

14. _____ seven hundred ninety-eight thousand seven hundred thirty-ni
15. _____ three hundred four thousand five hundred twelve
16. _____ eighty-two thousand seven hundred eighty-five
17. _____ seven hundred thirty thousand eight hundred seventy-six

Super Challenge:

18.

		16	
8	14	19	
13	7	10	20

Magic Number:

Challenge: Find the magic number.

19.

		50
	125	225
200		100

Magic Number:

20.

154		98
	140	196
	112	

Magic Number:

Super Challenge: Find the secret trail.

21.

49	35	32
(31)	49	35
30	47	12
+		(120)

22.

(31)	15	24
44	10	27
27	2	32
+		(144)

Name: Date: Score:

Counting Practice and Before / After / Between PRE1

Complete the counting tables.

1. Count by 1 from 4990 to 4994

4,990	4,991	4,992	4,993	4,994

2. Count by 1 from 7284 to 7288

7,284	7,285	7,286	7,287	7,288

3. Count by 2 from 6965 to 6973

6,965	6,967	6,969	6,971	6,973

4. Count by 2 from 5684 to 5692

5,684	5,686	5,688	5,690	5,692

Complete the counting tables.

5. Count by 5 from 807 to 827

807	812	817	822	827

6. Count by 5 from 488 to 508

488	493	498	503	508

7. Count by 10 from 3988 to 4028

3,988	3,998	4,008	4,018	4,028

8. Count by 10 from 9487 to 9527

9,487	9,497	9,507	9,517	9,527

Fill in the number that comes before, after or between the number(s) given.

9. 1,608 1,609 1,610
10. 3,460 3,461
11. 290 291
12. 8,334 8,335
13. 6,066 6,067 6,068
14. 5,372 5,373 5,374
15. 9,792 9,793
16. 3,452 3,453
17. 38 39
18. 9,141 9,142
19. 27 28
20. 67 68

Find all the factors and the GREATEST COMMON factor.

21. 15: 1, 3, 5 — 10: 1, 2, 5 — 5
22. 8: 1, 2, 4 — 20: 1, 2, 4 — 4
23. 12: 1, 2, 3, 4, 6 — 6: 1, 2, 3, 6 — 6

Super Challenge: Find the secret trail.

24.

2	2	3	2
1	2	2	3
1	2	2	1
1	2	2	1

+ 15

25.

3	2	1	2
1	1	1	3
2	1	1	3
1	1	2	2

+ 14

Name: Date: Score:

Counting Practice and Expanded Notation PRE-Test 2

Complete the counting tables.

1. Count by 6 from 137 to 161

137	143	149	155	161

2. Count by 6 from 32 to 56

32	38	44	50	56

3. Count by 7 from 116 to 144

116	123	130	137	144

4. Count by 7 from 44 to 72

44	51	58	65	72

Complete the counting tables.

5. Count by 8 from 32 to 64

32	40	48	56	64

6. Count by 8 from 174 to 206

174	182	190	198	206

7. Count by 9 from 193 to 229

193	202	211	220	229

8. Count by 9 from 60 to 96

60	69	78	87	96

Write each number in expanded form. Say how many 10 000s, 1000s, 100s, 10s and 1s.

9. 36,663 — 3 ten thousands + 6 thousands + 6 hundreds + 6 tens + 3 ones
10. 81,592 — 8 ten thousands + 1 thousand + 5 hundreds + 9 tens + 2 ones
11. 49,953 — 4 ten thousands + 9 thousands + 9 hundreds + 5 tens + 3 ones
12. 63,424 — 6 ten thousands + 3 thousands + 4 hundreds + 2 tens + 4 ones

Find all the factors and the GREATEST COMMON factor.

13. 36: 1, 2, 3, 4 — 44: 1, 2, 4 — 4
14. 27: 1, 3 — 24: 1, 2, 3 — 3
15. 28: 1, 2, 4, 7 — 7: 1, 7 — 7

Super Challenge: Find the secret trail.

16.

4	1	2	4
10	5	2	4
2	8	8	5
1	1	7	6

+ 40

17.

9	6	3	9
4	6	5	10
3	2	4	6
8	3	3	1

+ 23

Name: Date: Score:

Place Value, Ordering Numbers & Multiples PRE 3

Write the place value of the underlined digit. (Write either ones (Units), tens, hundreds,etc)

1. 2,088 = 0 hundreds
2. 1,396 = 6 ones
3. 3,757 = 5 tens
4. 2,938 = 3 tens
5. 7,729 = 2 tens
6. 1,608 = 6 hundreds
7. 4,970 = 7 tens
8. 8,149 = 9 ones
9. 4,186 = 8 tens
10. 8,401 = 0 tens
11. 5,633 = 3 tens
12. 4,277 = 7 ones
13. 6,796 = 7 hundreds
14. 3,981 = 8 tens
15. 3,225 = 3 thousands

Order the numbers from lowest to highest.

16. 17,371 17,371 / 74,629 34,142 / 70,539 70,539 / 34,142 74,629
17. 21,270 21,270 / 90,353 40,229 / 40,229 56,770 / 56,770 90,353
18. 47,200 10,640 / 10,640 28,537 / 56,664 47,200 / 28,537 56,664
19. 41,767 36,593 / 78,134 41,767 / 47,181 47,181 / 36,593 78,134
20. 54,927 16,529 / 46,028 18,292 / 18,292 46,028 / 16,529 54,927
21. 15,418 15,418 / 31,339 31,339 / 83,480 57,382 / 57,382 83,480

List the first 5 multiples for each number.

22. 6 = 6, 12, 18, 24, 30
23. 4 = 4, 8, 12, 16, 20
24. 8 = 8, 16, 24, 32, 40
25. 2 = 2, 4, 6, 8, 10
26. 3 = 3, 6, 9, 12, 15
27. 9 = 9, 18, 27, 36, 45

Challenge: Write the multiples for each number and find the lowest common multiple.

28. 3: 3, 6, 9, 12, 15, 18, 21, 24 — 8: 8, 16, 24 — 24
29. 3: 3, 6, 9, 12, 15 — 5: 5, 10, 15 — 15
30. 6: 6, 12, 18 — 9: 9, 18 — 18
31. 6: 6, 12, 18, 24, 30, 36, 42 — 7: 7, 14, 21, 28, 35, 42 — 42

Name: Date: Score:

Place Value, Ordering Numbers & Multiples PRE 4

Write the place value of the underlined digit. (Write either ones (Units), tens, hundreds,etc)

1. 69,939 = 6 ten thousands
2. 289,393 = 9 thousands
3. 6,905,148 = 1 hundred
4. 782,725 = 8 ten thousands
5. 7,810,981 = 7 millions
6. 466,346 = 3 hundreds
7. 3,777,177 = 7 tens
8. 8,878,438 = 3 tens
9. 6,656,709 = 6 millions
10. 2,103,798 = 0 ten thousands

Order the numbers from lowest to highest.

11. 8,846,454 1,528,129 / 2,465,584 2,465,584 / 3,205,491 3,205,491 / 1,528,129 8,846,454
12. 8,127,311 1,745,657 / 1,745,657 8,013,664 / 8,013,664 8,017,288 / 8,017,288 8,127,311
13. 4,077,970 3,414,143 / 3,414,143 3,636,067 / 3,636,067 4,077,970 / 5,735,867 5,735,867
14. 1,622,864 1,622,864 / 9,067,329 2,303,869 / 3,725,478 3,725,478 / 2,303,869 9,067,329

Challenge: Find the magic number. HINT: Number may increment by 1 or 2.

15.

7	14	9
12	10	8
11	6	13

Magic Number: 30

16.

18	16	26
28	20	12
14	24	22

Magic Number: 60

17.

18	28	14
16	20	24
26	12	22

Magic Number: 60

Challenge: Find the lowest common multiple.

18. 4: 4, 8, 12, 16, 20, 24, 28, 32, 36, 40 — 13: 13, 26, 39, 52 — 52
19. 5: 5, 10, 15, 20, 25, 30, 35, 40, 45 — 9: 9, 18, 27, 36, 45 — 45

Name: Date: Score:

Numbers, Words and Expanded Notation Pre 5

Write the word(s) for each number.

1) **3,056** three thousand fifty-six

2) **13,892** thirteen thousand eight hundred ninety-two

3) **24,891** twenty-four thousand eight hundred ninety-one

4) **66,443** sixty-six thousand four hundred forty-three

5) **37,497** thirty-seven thousand four hundred ninety-seven

6) **14,153** fourteen thousand one hundred fifty-three

Write the number for each word.

7) 84,000 eighty-four thousand

8) 42,899 forty-two thousand eight hundred ninety-nine

9) 96,862 ninety-six thousand eight hundred sixty-two

10) 60,309 sixty thousand three hundred nine

11) 7,243 seven thousand two hundred forty-three

12) 16,624 sixteen thousand six hundred twenty-four

Write each number in expanded form. Say how many 10 000s, 1000s, 100s, 10s and 1s.

13) 57,010 5 ten thousands + 7 thousands + 1 ten

14) 58,433 5 ten thousands + 8 thousands + 4 hundreds + 3 tens + 3 one

15) 64,347 6 ten thousands + 4 thousands + 3 hundreds + 4 tens + 7 one

16) 21,697 2 ten thousands + 1 thousand + 6 hundreds + 9 tens + 7 one

17) 94,049 9 ten thousands + 4 thousands + 4 tens + 9 ones

Super Challenge: Find the secret trail.

18)

1	5	6
1	4	1
1	5	5
	+	11

Name: Date: Score:

Numbers, Words and Expanded Notation Pre 6

Write the word(s) for each number.

1) **6,805,923** six million eight hundred five thousand nine hundred twenty-three

2) **7,143,653** seven million one hundred forty-three thousand six hundred fifty-three

3) **5,852,291** five million eight hundred fifty-two thousand two hundred ninety-one

4) **2,529,656** two million five hundred twenty-nine thousand six hundred fifty-six

5) **1,428,074** one million four hundred twenty-eight thousand seventy-four

6) **4,461,251** four million four hundred sixty-one thousand two hundred fifty-one

Write the number for each word.

7) 4,443,020 four million four hundred forty-three thousand twenty

8) 6,607,280 six million six hundred seven thousand two hundred eighty

9) 974,352 nine hundred seventy-four thousand three hundred fifty-two

10) 4,530,745 four million five hundred thirty thousand seven hundred forty-five

11) 2,801,902 two million eight hundred one thousand nine hundred two

12) 8,062,894 eight million sixty-two thousand eight hundred ninety-four

Write each number in expanded form. Say how many millions, 100 000s, 10 000s, 1000s, etc. Write answer on and below line.

13) 1,626,179 1 million + 6 hundred thousands + 2 ten thousands + 6 thousands + 1 hundred + 7 tens + 9 ones

14) 6,747,753 6 millions + 7 hundred thousands + 4 ten thousands + 7 thousands + 7 hundreds + 5 tens + 3 ones

15) 4,640,000 4 millions + 6 hundred thousands + 4 ten thousands

Super Challenge: Find the secret trail.

16)

20	5	6
2	17	7
2	6	9
	+	43

Name: Date: Score:

Number Patterns, <, >, =, Rounding Off, Factors Pre 7

Write the next two numbers in the pattern and the RULE. eg. 2, 4, 6, 8, 10, 12, 14, (add 2)

1. 59, 63, 67, 71, 75, 79, 83, 87, 91 (+ 4)

2. 82, 76, 78, 71, 73, 65, 67, 58, 60 (- 6 + 2 - 7 + 2 - 8 + 2...)

3. 62, 60, 59, 56, 55, 51, 50, 45, 44 (- 2 - 1 - 3 - 1 - 4 - 1...)

CHALLENGING Number Patterns for Champions: eg. -1, -3, -5, -7.

4. 62, 60, 59, 56, 55, 51, 50, 45, 44 (- 2 - 1 - 3 - 1 - 4 - 1...)

5. 62, 60, 67, 65, 72, 70, 77, 75, 82 (- 2 + 7 - 2 + 7 - 2 + 7...)

Compare the numbers. Write < (less than), > (greater than) or Equal (=).

6. 2,640 < 25,030 7. 4,717 < 91,154 8. 5,420 < 27,566

9. 3,004 < 12,900 10. 9,982 > 7,186 11. 26,664 > 5,326

12. 9,028 > 2,297 13. 3,003 < 9,207 14. 1,227 < 57,690

Round the number to the NEAREST 1000.

15. 3,741 = 4,000 16. 26,938 = 27,000

17. 55,035 = 55,000 18. 29,203 = 29,000

19. 97,085 = 97,000 20. 10,183 = 10,000

21. 80,102 = 80,000 22. 21,767 = 22,000

23. 25,242 = 25,000 24. 25,261 = 25,000

Write the BASE Factors. Use a FACTOR TREE to help you. Is it a prime number (Y/N)?

25. 43 = 43 (Yes)

26. 22 = 2×11 (No)

27. 29 = 29 (Yes)

28. 39 = 3×13 (No)

29. 2 = 2 (Yes)

30. 42 = 2×3×7 (No)

Name: Date: Score:

Mixed Numeration Activities PRE-TEST 8

Challenge: Count forwards.

1. Count by 1 from 3308 to 3312

3,308	3,309	3,310	3,311	3,312

2. Count by 1 from 3284 to 3288

3,284	3,285	3,286	3,287	3,288

Challenge: Count backwards.

3. Count by 1 from 4123 to 4119

4,123	4,122	4,121	4,120	4,119

4. Count by 1 from 2274 to 2270

2,274	2,273	2,272	2,271	2,270

Fill in the number that comes before and after the given number(s).

5. 832 833 834 6. 465 466 467 7. 208 209 210

8. 752 753 754 9. 105 106 107 10. 185 186 187

Order the numbers from lowest to highest.

11.		12.		13.		14.	
3,315	517	198	198	746	555	2,166	140
834	614	4,617	631	705	705	140	862
8,662	834	865	865	2,918	746	8,348	2,166
517	3,315	631	4,617	555	2,918	862	7,942
614	8,662	6,845	6,845	6,494	6,494	7,942	8,348

Write the number for each word.

15. 661 six hundred sixty-one

16. 9,426 nine thousand four hundred twenty-six

17. 756 seven hundred fifty-six

18. 8,759 eight thousand seven hundred fifty-nine

Write in expanded form. eg. 56 = 50+6

19. 87,223 80,000 + 7,000 + 200 + 20 + 3

20. 69,540 60,000 + 9,000 + 500 + 40

21. 53,777 50,000 + 3,000 + 700 + 70 + 7

22. 32,294 30,000 + 2,000 + 200 + 90 + 4

Challenge: Find the magic number.

23.

15	16	11
10	14	18
17	12	13

Magic Number: 42

24.

4	9	8
11	7	3
6	5	10

Magic Number: 21

Super Challenge: Find the secret trail.

25.

11	8	13
8	7	14
10	7	11
	+	52

26.

2	5	15
3	15	5
10	3	5
	+	33