INFORMAL MATH PROBES – GRADE 4

_____ can correctly

NUMERATION & PLACE VALUE:

- Read numbers from .01 to 1 million in _____/5 attempts.
- Write numbers from .01 to 1 million in _____/5 attempts.
- Round whole numbers to the nearest thousand in _____/5 attempts.

ADDITION & SUBTRACTION:

- Add three columns of 5 numbers in _____/5 attempts.
- Subtract 4-digit numbers with 0s in the tens and hundreds place in ____/5 attempts.
- Add decimals with the same number of places. ____/5 attempts
- Subtract decimals with the same number of places. ____/5 attempts
- Estimate sums by rounding to the nearest 10 in ____/5 attempts.
- Estimate differences rounding to the nearest hundred in _____/5 attempts.

MULTIPLICATION:

- Multiplication facts (0-12) with ____% accuracy, _____ (number) problems completed in one minute.
- Multiply a 3-digit number by a 1-digit number in _____/5 attempts.
- Multiply a 2-digit number by a 2-digit number in ____/5 attempts.
- Multiply a 3-digit number by a 2-digit number in _____/5 attempts.

DIVISION:

- Division facts with ____% accuracy, _____ (number) problems completed in one minute.
- Divide a 2-digit number by a 1-digit number. _____/5 attempts
- Divide a 3-digit number by a 1-digit number. _____/5 attempts

PROBLEM SOLVING:

- Solve 4th grade word problems. _____/5

CLASSROOM WORK:

- Daily assignments done with an average of ____% accuracy.
- Chapter test scores range from ____% to ____ % accuracy.

Name _____ Date _____

NUMERATION & PLACE VALUE:
Read numbers from .01 to 1 million:

.5 115,609 975,254 .75 698,001

_____/5 attempts

Write numbers from .01 to 1 million:

_____ _____ _____ _____ _____

_____/5 attempts

Round numbers to the nearest thousandth:

6,742 41,256 80,054 10,942 61,545

_____ _____ _____ _____ _____

_____/5 attempts

ADDITION & SUBTRACTION:

638	217	418	167	822
125	609	117	275	342
812	843	212	317	554
690	701	376	254	822
+123	+245	+532	+256	+372

_____/5 attempts

5403	2006	8003	6103	3005
- 1289	- 1127	- 3526	- 2315	- 1259

_____/5 attempts

Add decimals with the same number of places:

.25	.5	.435	.03	.72
+ .26	+.7	+.102	+.25	+.53

_____/5 attempts

Subtract decimals with the same number of places:

.5	.752	.023	.25	.3
- .2	- .431	- .011	- .15	- .2

_____/5 attempts

ESTIMATION:

Estimate sums by rounding to nearest ten.

69 = _____
+ 22 = _____

66 = _____
+47 = _____

$37.52 = _____
+ $22.89 = _____

$126.35 = _____
+$142.66 = _____

$12.76 = _____
+$15.02 = _____

_____/5

Estimate differences rounding to the nearest hundred:

542 = _____
- 167 = _____

782 = _____
- 276 = _____

921 = _____
- 680 = _____

$ 263.54 = _____
- $167.05 = _____

$725.89 = _____
- $422.35 = _____

_____/5

MULTIPLICATION:

Multiply a 3-digit number by a 1-digit number:

267	173	485	196	247
x 3	x 4	x 2	x 4	x 3

/5

Multiply a 2-digit number by a 2-digit number:

39	46	95	84	73
x 67	x 58	x 27	x 36	x 49

/5

Multiply a 3-digit number by a 2-digit number:

604	703	807	508	901
x 25	x 68	x 42	x 34	x 78

/5

DIVISION:

Divide a 2-digit number by a 1-digit number:

3) 57	4) 72	5) 85	3) 75	2) 54

/5

Divide a 3-digit number by a 1-digit number

3) 246	4) 128	5) 205	6) 426	7) 567

Multiplication Facts

0-9

Name: _____

Time: _____ No. Correct: ____/100

8 x 9	5 x 5	2 x 2	3 x 4	5 x4	7 x 6	9 x 1	2 x 0	4 x 3	6 x 7
5 x 5	6 x 1	3 x 4	3 x 1	2 x 3	11 x 0	5 x 8	3 x 0	2 x 1	6 x 8
5 x 2	4 x 8	2 x 5	1 x 1	9 x 0	3 x 8	2 x 2	4 x 5	2 x 6	1 x 9
3 x 7	11 x 7	8 x 1	7 x 3	4 x 3	10 x 5	2 x 4	9 x 5	8 x 4	7 x 1
5 x 9	12 x 3	8 x 2	2 x 9	1 x 2	8 x 0	7 x 6	6 x 6	4 x 2	6 x 3
8 x 8	3 x 6	12 x 7	8 x 3	6 x 9	8 x 7	5 x 6	12 x 6	8 x 9	7 x 5
3 x 3	10 x 3	9 x 4	7 x 8	3 x 5	9 x 8	7 x 7	7 x 2	12 x 0	5 x 1
5 x 7	7 x 4	5 x 0	4 x 9	2 x 8	9 x 9	8 x 6	6 x 4	5 x 3	9 x 2
9 x 1	7 x 0	6 x 2	5 x 5	12 x 4	4 x 6	7 x 9	6 x 7	4 x 4	2 x 0
8 x 7	4 x 7	8 x 8	7 x 8	12 x 7	4 x 8	10 x 9	3 x 9	2 x 7	4 x 1

NAME: _____ DATE:_____

DIVISION FACTS

9)72	7) 42	8) 24	2) 10
4) 4	3) 9	4) 36	1) 8
7) 14	6) 0	7) 21	9) 54
7) 0	8) 16	9) 9	6) 48
8) 56	7) 35	9) 0	6) 30
7) 63	8) 8	9) 45	6) 6
8) 32	5) 20	1) 4	2) 12
5) 35	4) 8	5) 25	1) 5
2) 16	3) 21	4) 12	5) 40
3) 24	1) 6	4) 24	5) 30

NAME: _____
DATE:_____

STORY PROBLEMS – GRADE 4

1. The family drank 18 liters of milk one week.
   They drank 7 liters the next week.
   How many liters did they drink in all? _____

2. There were twenty-one desks in the math class.
   Twenty-seven students came to the class.
   How many more desks were needed to seat the students? _____

3. Wilbur received $ .45 for mowing the lawn and $ .85 for painting the dog house. How much did he earn? _____
   How much more does he need to buy a toy truck which costs $2.85?
   _____

4. The Red Sox scored 18 runs in 6 innings.
   If they scored the same number of runs in each inning, how many runs did they make in each inning? _____

5. In basketball, 5 fouls and you're out of the game. Four players were out on fouls. How many fouls were made by these players?
   _____