

## INFORMAL MATH PROBES - GRADE 3

### NUMERATION:

- Read 4 digit numbers in \_\_\_\_/5 attempts.
- Read 5 digit numbers in \_\_\_\_/5 attempts.
- Write 4 digit numbers in \_\_\_\_/5 attempts.
- Write 5 digit numbers in \_\_\_\_/5 attempts.
- Round numbers to the nearest ten or hundred in \_\_\_\_/5 attempts.

### ADDITION & SUBTRACTION:

- Addition facts (sums to 50) with \_\_\_\_% accuracy, 100 facts in \_\_\_\_minutes, using strategies of \_\_\_\_\_.
- Add two 3-digit numbers with regrouping \_\_\_\_/5 attempts.
- Subtraction facts (minuends to 50) with \_\_\_\_% accuracy, 100 facts in \_\_\_\_minutes, using strategies of \_\_\_\_\_.
- Subtracting two 3-digit numbers with regrouping \_\_\_\_/5 attempts.

### MULTIPLICATION:

- Using multipliers 0, 1, 2, 5, & 9, multiply 50 facts in \_\_\_\_ minutes with \_\_\_\_% accuracy.
- Multiplying two numbers by 1 number. \_\_\_\_/5 attempts.

### COMPARISONS:

- Compare numbers up to 10,000 using greater than, less than and equal to. \_\_\_\_/5 attempts.

### FRACTIONS:

- Write a fraction from a picture. \_\_\_\_/5 attempts

### TIME:

- Tell time in five-minute intervals \_\_\_\_/5 attempts.
- Tell time to the nearest minute in \_\_\_\_/5 attempts.
- Tell time at minute to the hour \_\_\_\_/5 attempts.
- Write time to the nearest minute using digital notation in \_\_\_\_/5 attempts.

### MONEY (Use actual coins and bills):

- Give value of a collection of coins to \$1.00 in \_\_\_\_/5 attempts.
- Give value of a collection of coins and bills to \$5.00 in \_\_\_\_/5 attempts.

### PROBLEM SOLVING :

- Solve \_\_\_\_/5 3<sup>rd</sup> Grade word problems.

### CLASSROOM WORK:

- Daily assignments done with \_\_\_\_% accuracy.
- Chapter test scores range from \_\_\_\_% to \_\_\_\_% accuracy.

Name \_\_\_\_\_

Date \_\_\_\_\_

Numeration:

Read 4 digit numbers:

1,380      3,059      5,407      7,384      9,086

Read 5 digit numbers:

10,836      42,504      75,002      67,091      99,929

Write 4 digit numbers:

\_\_\_\_\_

Write 5 digit numbers:

\_\_\_\_\_

Round to the nearest ten or hundred:

768      472      1,765      2,642      3,296  
770      470      1,800      2,600      3,300

Addition – 3 digits with regrouping:

$\begin{array}{r} 228 \\ +216 \\ \hline 444 \end{array}$        $\begin{array}{r} 314 \\ +358 \\ \hline 672 \end{array}$        $\begin{array}{r} 614 \\ +239 \\ \hline 853 \end{array}$        $\begin{array}{r} 743 \\ +139 \\ \hline 882 \end{array}$        $\begin{array}{r} 529 \\ +436 \\ \hline 965 \end{array}$

Subtraction – 3 digits with regrouping:

$\begin{array}{r} 735 \\ -268 \\ \hline 467 \end{array}$        $\begin{array}{r} 463 \\ -194 \\ \hline 269 \end{array}$        $\begin{array}{r} 967 \\ -398 \\ \hline 569 \end{array}$        $\begin{array}{r} 421 \\ -287 \\ \hline 134 \end{array}$        $\begin{array}{r} 614 \\ -486 \\ \hline 128 \end{array}$

Multiplication – 2 digits by 1 digit:

$\begin{array}{r} 22 \\ \times 2 \\ \hline 44 \end{array}$		$\begin{array}{r} 41 \\ \times 2 \\ \hline 82 \end{array}$		$\begin{array}{r} 31 \\ \times 2 \\ \hline 62 \end{array}$		$\begin{array}{r} 51 \\ \times 1 \\ \hline 51 \end{array}$		$\begin{array}{r} 72 \\ \times 1 \\ \hline 72 \end{array}$	
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# *Addition Facts*

## *Sums to 50*

Name: \_\_\_\_\_

Time: \_\_\_\_\_ No. Correct: \_\_\_\_/100

4	2	3	7	4	1	5	5	6	3
<u>+1</u>	<u>+7</u>	<u>+9</u>	<u>+9</u>	<u>+6</u>	<u>+4</u>	<u>+5</u>	<u>+0</u>	<u>+4</u>	<u>+1</u>
5	9	12	16	10	5	10	5	10	4
6	7	9	2	4	6	8	8	9	6
<u>+2</u>	<u>+0</u>	<u>+1</u>	<u>+0</u>	<u>+4</u>	<u>+7</u>	<u>+6</u>	<u>+7</u>	<u>+8</u>	<u>+0</u>
8	7	10	2	8	13	14	15	17	6
19	2	4	25	7	15	39	2	15	29
<u>+9</u>	<u>+8</u>	<u>+9</u>	<u>+0</u>	<u>+14</u>	<u>+7</u>	<u>+2</u>	<u>+29</u>	<u>+33</u>	<u>+5</u>
28	10	13	25	21	22	41	31	48	34
35	16	27	19	23	17	9	37	25	18
<u>+3</u>	<u>+24</u>	<u>+17</u>	<u>+28</u>	<u>+15</u>	<u>+18</u>	<u>+4</u>	<u>+7</u>	<u>+13</u>	<u>+25</u>
38	40	44	47	38	35	13	44	38	43
11	23	45	6	37	15	28	15	6	19
<u>+13</u>	<u>+3</u>	<u>+1</u>	<u>+10</u>	<u>+12</u>	<u>+16</u>	<u>+7</u>	<u>+3</u>	<u>+16</u>	<u>+24</u>
24	26	46	16	49	31	35	18	22	43
36	18	11	23	18	37	18	28	35	14
<u>+9</u>	<u>+3</u>	<u>+27</u>	<u>+16</u>	<u>+8</u>	<u>+5</u>	<u>+9</u>	<u>+2</u>	<u>+8</u>	<u>+19</u>
45	21	38	39	26	42	27	30	43	33
21	27	28	31	2	18	29	11	13	22
<u>+6</u>	<u>+16</u>	<u>+0</u>	<u>+12</u>	<u>+19</u>	<u>+12</u>	<u>+3</u>	<u>+22</u>	<u>+8</u>	<u>+13</u>
27	43	28	43	21	30	32	33	21	35
15	16	24	26	19	4	31	27	18	8
<u>+29</u>	<u>+3</u>	<u>+12</u>	<u>+6</u>	<u>+6</u>	<u>+7</u>	<u>+8</u>	<u>+12</u>	<u>+15</u>	<u>+0</u>
44	19	36	32	25	11	39	39	33	8
8	24	35	13	27	38	19	23	34	16
<u>+15</u>	<u>+0</u>	<u>+14</u>	<u>+2</u>	<u>+11</u>	<u>+4</u>	<u>+4</u>	<u>+22</u>	<u>+0</u>	<u>+7</u>
23	24	49	15	38	42	23	45	34	23
22	11	24	27	8	29	43	17	24	36
<u>+14</u>	<u>+15</u>	<u>+13</u>	<u>+13</u>	<u>+11</u>	<u>+7</u>	<u>+7</u>	<u>+7</u>	<u>+2</u>	<u>+9</u>
36	26	37	40	19	36	50	24	26	45

# *Subtraction Facts*

## *Minuends to 50*

Name: \_\_\_\_\_

Time: \_\_\_\_\_ No. Correct: \_\_\_\_/100

10	13	2	8	10	14	14	9	5	10
<u>-2</u>	<u>-7</u>	<u>-1</u>	<u>-2</u>	<u>-1</u>	<u>-5</u>	<u>-9</u>	<u>-2</u>	<u>-2</u>	<u>-4</u>
8	6	1	6	9	9	5	7	3	6
5	7	5	16	12	15	12	12	9	17
<u>-0</u>	<u>-1</u>	<u>-0</u>	<u>-9</u>	<u>-7</u>	<u>-8</u>	<u>-8</u>	<u>-9</u>	<u>-9</u>	<u>-9</u>
5	6	5	7	5	7	4	3	0	8
8	6	16	12	13	7	12	7	8	13
<u>-6</u>	<u>-3</u>	<u>-7</u>	<u>-6</u>	<u>-5</u>	<u>-2</u>	<u>-5</u>	<u>-6</u>	<u>-4</u>	<u>-9</u>
2	3	9	6	8	5	7	1	4	4
9	16	6	29	6	7	10	4	8	24
<u>-5</u>	<u>-8</u>	<u>-0</u>	<u>-8</u>	<u>-1</u>	<u>-4</u>	<u>-5</u>	<u>-4</u>	<u>-1</u>	<u>-3</u>
4	8	6	21	5	3	5	0	7	21
15	10	33	24	38	27	38	12	48	43
<u>-9</u>	<u>-8</u>	<u>-14</u>	<u>-7</u>	<u>-5</u>	<u>-7</u>	<u>-28</u>	<u>-3</u>	<u>-10</u>	<u>-21</u>
6	2	19	17	33	20	10	9	38	22
46	26	49	50	13	15	35	43	32	9
<u>-5</u>	<u>-12</u>	<u>-14</u>	<u>-13</u>	<u>-6</u>	<u>-8</u>	<u>-7</u>	<u>-12</u>	<u>-24</u>	<u>-0</u>
41	14	35	37	7	7	28	31	8	9
44	47	35	13	10	38	49	23	11	46
<u>-12</u>	<u>-10</u>	<u>-3</u>	<u>-6</u>	<u>-9</u>	<u>-7</u>	<u>-16</u>	<u>-0</u>	<u>-3</u>	<u>-16</u>
32	37	32	7	1	31	33	23	8	30
11	37	14	39	42	37	48	15	11	33
<u>-9</u>	<u>-5</u>	<u>-6</u>	<u>-17</u>	<u>-22</u>	<u>-13</u>	<u>-23</u>	<u>-11</u>	<u>-2</u>	<u>-3</u>
2	32	8	22	20	24	25	4	9	30
10	27	11	36	44	34	10	26	11	19
<u>-6</u>	<u>-1</u>	<u>-4</u>	<u>-9</u>	<u>-11</u>	<u>-10</u>	<u>-7</u>	<u>-4</u>	<u>-8</u>	<u>-16</u>
4	26	7	27	33	24	3	22	3	3
39	5	44	38	34	11	39	47	11	49
<u>-3</u>	<u>-5</u>	<u>-9</u>	<u>-19</u>	<u>-18</u>	<u>-5</u>	<u>-1</u>	<u>-18</u>	<u>-7</u>	<u>-9</u>
36	0	35	19	16	6	38	29	4	40

NAME \_\_\_\_\_ DATE \_\_\_\_\_

**MULTIPLICATION**  
(0, 1, 2, 5, 9)

$\begin{array}{r} 6 \\ \times 0 \\ \hline 0 \end{array}$	$\begin{array}{r} 0 \\ \times 0 \\ \hline 0 \end{array}$	$\begin{array}{r} 9 \\ \times 5 \\ \hline 45 \end{array}$	$\begin{array}{r} 3 \\ \times 0 \\ \hline 0 \end{array}$	$\begin{array}{r} 6 \\ \times 9 \\ \hline 54 \end{array}$	$\begin{array}{r} 4 \\ \times 1 \\ \hline 4 \end{array}$	$\begin{array}{r} 5 \\ \times 5 \\ \hline 25 \end{array}$	$\begin{array}{r} 1 \\ \times 5 \\ \hline 5 \end{array}$	$\begin{array}{r} 0 \\ \times 9 \\ \hline 0 \end{array}$	$\begin{array}{r} 2 \\ \times 9 \\ \hline 18 \end{array}$
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$\begin{array}{r} 6 \\ \times 5 \\ \hline 30 \end{array}$	$\begin{array}{r} 3 \\ \times 5 \\ \hline 15 \end{array}$	$\begin{array}{r} 8 \\ \times 0 \\ \hline 0 \end{array}$	$\begin{array}{r} 8 \\ \times 9 \\ \hline 72 \end{array}$	$\begin{array}{r} 1 \\ \times 0 \\ \hline 0 \end{array}$	$\begin{array}{r} 7 \\ \times 0 \\ \hline 0 \end{array}$	$\begin{array}{r} 5 \\ \times 1 \\ \hline 5 \end{array}$	$\begin{array}{r} 6 \\ \times 1 \\ \hline 6 \end{array}$	$\begin{array}{r} 7 \\ \times 9 \\ \hline 63 \end{array}$	$\begin{array}{r} 2 \\ \times 1 \\ \hline 2 \end{array}$
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$\begin{array}{r} 6 \\ \times 2 \\ \hline 12 \end{array}$	$\begin{array}{r} 4 \\ \times 5 \\ \hline 20 \end{array}$	$\begin{array}{r} 2 \\ \times 0 \\ \hline 0 \end{array}$	$\begin{array}{r} 0 \\ \times 2 \\ \hline 0 \end{array}$	$\begin{array}{r} 9 \\ \times 1 \\ \hline 9 \end{array}$	$\begin{array}{r} 2 \\ \times 2 \\ \hline 4 \end{array}$	$\begin{array}{r} 1 \\ \times 2 \\ \hline 2 \end{array}$	$\begin{array}{r} 3 \\ \times 2 \\ \hline 6 \end{array}$	$\begin{array}{r} 1 \\ \times 1 \\ \hline 1 \end{array}$	$\begin{array}{r} 8 \\ \times 5 \\ \hline 40 \end{array}$
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$\begin{array}{r} 5 \\ \times 9 \\ \hline 45 \end{array}$	$\begin{array}{r} 4 \\ \times 2 \\ \hline 8 \end{array}$	$\begin{array}{r} 9 \\ \times 2 \\ \hline 18 \end{array}$	$\begin{array}{r} 7 \\ \times 0 \\ \hline 0 \end{array}$	$\begin{array}{r} 4 \\ \times 0 \\ \hline 0 \end{array}$	$\begin{array}{r} 3 \\ \times 9 \\ \hline 27 \end{array}$	$\begin{array}{r} 5 \\ \times 0 \\ \hline 0 \end{array}$	$\begin{array}{r} 3 \\ \times 1 \\ \hline 3 \end{array}$	$\begin{array}{r} 8 \\ \times 2 \\ \hline 16 \end{array}$	$\begin{array}{r} 7 \\ \times 1 \\ \hline 7 \end{array}$
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$\begin{array}{r} 5 \\ \times 2 \\ \hline 10 \end{array}$	$\begin{array}{r} 9 \\ \times 0 \\ \hline 0 \end{array}$	$\begin{array}{r} 7 \\ \times 5 \\ \hline 35 \end{array}$	$\begin{array}{r} 8 \\ \times 1 \\ \hline 8 \end{array}$	$\begin{array}{r} 2 \\ \times 5 \\ \hline 10 \end{array}$	$\begin{array}{r} 4 \\ \times 9 \\ \hline 36 \end{array}$	$\begin{array}{r} 9 \\ \times 9 \\ \hline 81 \end{array}$	$\begin{array}{r} 7 \\ \times 2 \\ \hline 14 \end{array}$	$\begin{array}{r} 1 \\ \times 9 \\ \hline 9 \end{array}$	$\begin{array}{r} 0 \\ \times 5 \\ \hline 0 \end{array}$
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Comparisons:

Compare the given numbers using greater than and less than symbols (> and <) or equal to (=).

$5,789 < 6,829$

$3,286 < 9,482$

$4,628 < 4,658$

$255 = 255$

$6,766 < 7,924$

/5

Fractions:

Write a fraction to represent the following pictures.



3/4



1/3



1/4



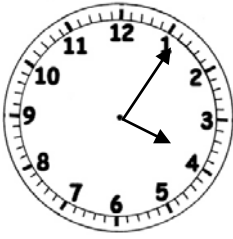
1/8



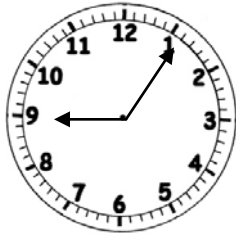
1/2

/5

Tell time by five minute intervals:



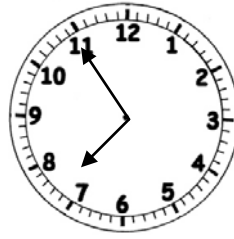
4:06



9:06



2:24

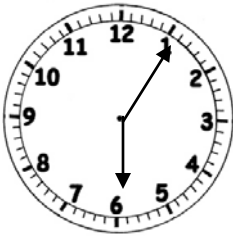


7:54



12:20  
/5

Tell time to the nearest minute. Use digital notation:



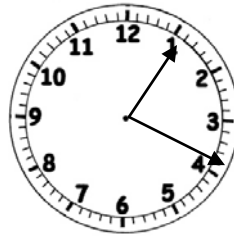
6:06



3:53



12:35



1:19

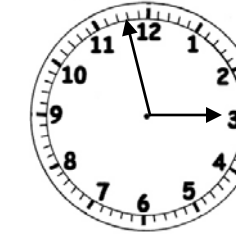


8:12  
/5

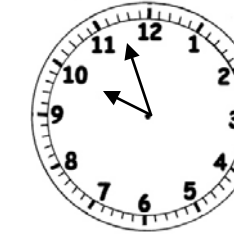
Tell time to minutes to the hour:



4:55



2:58



9:57



1:55



11:58  
/5

Name \_\_\_\_\_ Date \_\_\_\_\_

STORY PROBLEMS - GRADE 3

1. 21 girls rode the Octopus.  
Then 34 more girls rode.  
How many girls rode in all? 55 girls rode in all.
2. 22 girls won prizes.  
19 boys won prizes.  
How many more girls won prizes? 3 more girls won prizes
3. A beautiful black horse named Star has been  
in 232 races. He lost only 84 of them.  
How many has he won? Star has won 148 races.
4. Prince has won 149 races and lost 64.  
How many races has he been in? Prince has been in 213 races.
5. By the end of the bazaar, there were orders for 30 bird  
feeders. Since 5 people make the feeders, how many would  
each person have to make? Each person will have to make 6 bird feeders each.