

# Grade 1

## Pacing 2009-2010

### MAP<sup>2</sup>D Grade 1 Lesson Sequence and Pacing

The Grade 1 standards are taught in a similar order as the standards in the grades 2-5 MAP<sup>2</sup>D program. That is, Number Sense is taught first, followed by the remaining strands. The pacing allows teachers to teach concepts and skills to mastery. A time frame is given for each trimester. Teachers may change the order of the lessons and units within a trimester, so long as students are learning all the content in the trimester before the trimester exam is administered. Teachers will determine how many days to spend on each lesson to best meet the needs of their students. “It’s All About the Facts” lessons appear in the boxed area on the pacing chart.

### What’s Different this Year?

In response to teacher feedback, Chapter 9 Data and Graphs has been moved from Trimester 1 to Trimester 3 creating extra time to teach Number Sense.

### Trimester 1

Two major topics will be taught in this trimester along with beginning addition facts memorization through implementation of “It’s All About the Facts” strategies. Number Sense will be taught first because it is the highest priority at all elementary grade levels. Number Sense will be followed by Measurement and Geometry, specifically Solid Planes and Figures, and Fractions. Although Fractions is not found in the Grade 1 Content Standards, we believe that students should begin to conceptualize foundational aspects of fractions in order for them to demonstrate proficiency in second grade. Therefore, in order to support this effort, supplemental materials are available for teachers on the Math intranet under Instructional Tools. These are optional for teacher use. Teachers may choose to administer an additional SBA for Addition in Trimester 1 in order to have three SBAs for grading calculation. This decision should be agreed upon by all grade 1 teachers at the site.

### Trimester 2

Three major topics will be taught in this trimester along with the application of basic addition facts through the implementation of “It’s All About the Facts” multi-digit addition strategies. Measurement and Geometry concepts of Length, Weight, and Capacity, Time and the Number Sense concept of Counting Coins will be covered.

### Trimester 3

Two major topics will be taught in this trimester along with the subtraction strategies used through “It’s All About the Facts”. Statistics, Data Analysis and Probability concepts of reading and creating charts and graphs and the Algebraic Functions of Problem Solving will be covered. Teachers may choose to administer an additional SBA for Subtraction in Trimester 3 in order to have three SBAs for grading calculation. This decision should be agreed upon by all grade 1 teachers at the site.

**Grade 1 MAP<sup>2</sup>D Pacing  
Track B  
2009 - 2010**

**9/9 -9/11: Pre-Assessment**

- Writing numerals in 100s chart
- Writing numerals by 10s
- Writing numerals by 5s
- Listen to students rote count individually
- \*Supporting lessons: Chapter 12 Number Patterns 12.2, 12.3, 12.4, 12.5 (if necessary).

**9/21-10/2: IAATF Introduce +0, +1 and "doubles" (5.4)**

**9/14 - 10/9: Chapter 1 Number Sense  
Chapter 10 Place Value to 100  
Chapter 11 Comparing and Ordering**

- 1.3 Compare Numbers to 20** pgs. 9A-10 (NS 1.2)  
Teach vocabulary *greater than/less than*. \*Introduce  $<$ ,  $>$  symbols along with vocabulary. Use manipulatives during direct instruction.  
Use Practice/Homework as needed.
- 1.4 Order Numbers to 20** pgs. 11A-12 (NS 1.2)  
Teach vocabulary *least/greatest* and relate it to Lesson 1.3 vocabulary of *less than/greater than*.  
Use manipulatives during direct instruction (unifix rods of 10, base 10 blocks). Try to compare numbers greater than 20.  
Use Practice/Homework as needed.
- 10.1\* Make 10 and More** pgs. 211A-212 (NS 1.4)  
**10.2\* Tens** pgs. 213A-214 (NS 1.4)  
**10.3\* Tens and Ones to 50** pgs. 215A-216 (NS 1.4)  
**10.4\* Tens and Ones to 100** pgs. 217A-218 (NS 1.4)  
\*LESSONS CAN BE COMBINED  
Day 1: Teach vocabulary *digit/place value*  
Use manipulatives during direct instruction.  
Days 2-4: Review vocabulary & continue to provide practice with manipulatives as needed.  
Continue to apply vocabulary from Chapter 1. Utilize wkbk. pgs. & Practice/Homework as needed.
- 10.5 Ways to Expand Numbers** pgs. 219A-220 (NS 1.4)  
This lesson can be taught simultaneously with the lessons above.
- 11.1\* Greater Than** pgs. 231A-232 (NS 1.2)  
**11.2\* Less Than** pgs. 233A-234 (NS 1.2)  
**11.3\* Use Symbols to Compare** pgs. 235A-236 (NS 1.2)
- } THESE LESSONS CAN BE USED  
WITH 1.3 & 1.4 OR AS A REVIEW
- 11.4 One More, One Less** pgs. 237A-238 (NS 2.3)  
**11.5 Ten More, Ten Less** pgs. 239A-240 (NS 2.3)  
**11.6 Order on a Number Line** pgs. 241A-242 (NS 2.3)  
**11.7 Order 3 Numbers** pgs. 243A-244 (NS 1.2)

**September 2009**

<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>
	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>7</b>	<b>8</b> <small>Teachers' First Day</small>	<b>9</b> <small>Students' First Day</small>	<b>10</b>	<b>11</b>
<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>
<b>28</b>	<b>29</b>	<b>30</b>		

**10/1-10/2: Continue with +0, +1, and “doubles”**

2.4 Add Zero pgs. 29A-30 (NS 2.5)

2.5 Add In Any Order pgs. 31A-32 (NS 2.5)

**10/5 – 11/25: Trimester 1 of IAATF, Oral Memorization**

**25 minutes of IAATF practice daily**  
**using pocket chart and number cards,**  
**Chapters 2, 5 and 6 support basic facts**

**REMINDER:** Optional SBA NS Addition is available to administer during this trimester. Each school will need to agree as a grade level whether or not to administer this optional SBA. This SBA can be administered anytime during the trimester at each teacher’s discretion.

**10/1-11/25: Continue to use Chapters 1, 10 & 11 as needed.**

❖ **10/15-10/16: Administer SBA # 1 NS: Number Sense**  
**Covering Chapters 1, 10, 11**

**10/19-11/13: Chapter 18 Solid and Plane Figures**

**\*\*\*Supplement-Fractions**

18.1 Solid Figures pgs. 381A-382 (MG 2.2)

18.2\* Sort Solids pgs. 383A-384 (MG 2.2)

18.3\* Classify Solids pgs. 385A-386 (MG 2.2)

18.4 Plane Figures on Solids pgs. 387A-388 (MG 2.1)

18.6 Classify Plane Figures pgs. 391A-392 (MG 2.2)

} Lessons can be combined

**\*\*\*Supplement Fractions Instruction, supporting NS 4.0 (Grade 2)**

**Cover the following: equal parts, one half, one third, one fourth**

Support materials for Fractions are available on the math intranet under Instructional Tools.

**October 2009**

<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>
			1	2
5	6	7	8	9
12	13	14	15	16
19	20	21	22	23
26	27	28	29	30

**IAATF: Continue Oral Memorization practice 25 minutes daily**

**Week of 11/16-11/25:**

- Introduce working form 1 digit +1 digit (Support: 2.7 pgs. 35 & 36)

**REMINDER:** Optional SBA #3 NS Addition is available to administer during this trimester. Each school will need to agree as a grade level whether or not to administer this optional SBA. This SBA can be administered anytime during the trimester at each teacher's discretion.

**11/2-11/13: Continue with Supplemental Fractions Instruction**  
Cover equal parts, one half, one third, one fourth

- ❖ **11/12-11/13: Administer SBA #2 MG/NS:**  
**Solid and Plane Figures & Fractions**

**Covering Chapter 18**  
**Fractions Instruction NS 4.2**

**11/16-11/19: Review Trimester 1 Content**  
Administer Trimester 1 Practice and reteach accordingly

- ❖ **11/20-11/25: Administer Trimester 1 Exam**

**November 2009**

<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>
2	3	4	5	6
9	10	11	12	13
16	17	18	19	20
23	24	25	26	27
30				

# Off Track

November 30, 2009  
to  
January 4, 2010

<b>December 2009</b>				
<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>
	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>
<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>
<b>28</b>	<b>29</b>	<b>30</b>	<b>31</b>	

**Trimester 2 Tuesday, 1/5/10**

**IAATF: Continue 25 minutes daily practice and application**

**Week of 1/4:**

- Review working form 1 digit + 1 digit addition problems.
- Introduce how to write 2 digits + 1 digit addition problems in working form without regrouping.

**Week of 1/11:**

- Continue to write 2 digits + 1 digit problems in working form. Introduce regrouping using IAATF strategies.

**Week of 1/18:**

- Continue practice on 2 digits + 1 digit problems with and without regrouping and continue oral memorization practice.

**Week of 1/25:**

- Introduce 2 digits + 2 digits addition problems without regrouping, sums 99 or less.

**Chapters 2, 5, 6, 13, & 23 (support IAATF addition)  
13.4 Add 3 Numbers pgs. 285-286 (NS 2.7)**

**1/11-1/29: Chapter 21 Length  
Chapter 22 Weight and Capacity**

**21.2 Use Non-Standard Units pgs. 447A-448 (MG 1.1)**

**21.4 Make a Nonstandard Ruler pgs. 451A-452 (MG 1.1)**

**\*This can be used to introduce the concept of measuring with a ruler to the inch.**

**\*\*“Think Math! Investigate the Chapter Concept: Inches” TE pg. 443F  
Supplement with measuring activities using a ruler.**

**22.1 Use a Balance pgs. 463A-464 (MG 1.1)**

**Introduce the academic vocabulary of *lighter/heavier*.**

**22.2 Compare Weight pgs. 465A-466 (MG 1.1)**

**\*This can be used to introduce the concept of Capacity.**

**\*\*“Think Math! Investigate the Chapter Concept: Capacity” pg. 461F  
Introduce the academic vocabulary *more/less, most/least*.**

**22.5 Compare Capacity pgs. 471A-472 (MG 1.1)**

**❖ 1/28-1/29: Administer SBA # 4 MG: Length,  
Weight, and Capacity  
Covering Chapters 21 & 22**

**January 2010**

<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>
				<b>1</b>
<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>
<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>
<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>

**IAATF: Continue 25 minutes daily practice and application**

**Week of 2/1:**

- Review/discuss 100's place and numbers greater than 99 & how to read numbers greater than 99.
- Introduce 2 digits + 2 digits addition problems with regrouping, sums greater than 9 in the **ten's** column.

**Week of 2/8:**

- Continue to practice 2 digits + 2 digits addition with and without regrouping.

**Week of 2/15:**

- Introduce 3 digits + 1 digit and 3 digits + 2 digits addition without regrouping.

**Week of 2/22:**

- Introduce 3 digits + 1 digit and 3 digits + 2 digits addition with regrouping.

**Chapters 13 & 23, Chapters 2, 5, & 6 as needed**

\*Review 13.4 Add 3 Addends pgs. 285-286 (NS 2.7) as needed

**2/1 – 2/26: Chapter 16 Counting Coins**

- 16.1 Pennies and Nickels pgs. 339A-340 (NS 1.5)
- 16.2 Pennies and Dimes pgs. 341A-342 (NS 1.5)
- 16.3 Count Collections pgs. 343A-344 (NS 1.5)
- 16.4 Quarters pgs. 345A-346 (NS 1.5)
- 16.5 Make Equal Amounts pgs. 347A-348 (NS 1.5)
- 16.6 Act It Out pgs. 349A-350 (NS 1.5)

❖ **2/25 -2/26: Administer SBA #5 NS: Counting Coins  
Covering Chapter 16**

**February 2010**

<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>
<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>
<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>

**IAATF: Continue 25 minutes daily practice and application**

**Week of 3/1:**

- Introduce 3 digits + 3 digits addition without regrouping.

**Week of 3/8:**

- Introduce 3 digits + 3 digits addition with regrouping.

**Week of 3/15:**

- Continue to practice 3 digits + 3 digits addition with regrouping.

**Week of 3/22:**

- Continue to practice 3 digits + 2 digits and 3 digits + 3 digits with regrouping. Practice regrouping into the 100's column.

**Week of 3/29 – 4/2:**

- Continue to practice all addition applications with and without regrouping.

**3/1 – 3/12: Chapter 17 Time**

17.1 Time to the Hour pgs. 361A-362 (MG 1.2)

17.2 Time to the Half Hour pgs. 363A-364 (MG 1.2)

17.3 Time to the Hour and Half Hour pgs. 365A-366 (MG 1.2)

❖ 3/11-3/12: Administer SBA #6 MG: Time  
Covering Chapter 17

3/15-3/26: Review Trimester 2 Content  
Administer Trimester 2 Practice and reteach accordingly

❖ 3/29 - 4/2: Administer Trimester 2 Exam

**March 2010**

<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>
<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>
<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>
<b>29</b>	<b>30</b>	<b>31</b>		

❖ 3/29 - 4/2: Administer Trimester 2 Exam

# Off Track

## April 5 - April 23

Trimester 3 Monday, 4/26/10

Week of 4/26 – 4/30:

- Introduce 4 Golden Subtraction Rules (4GSR).
- Continue to practice multi-digit addition with and without regrouping.

**April 2010**

<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>
			1	2
5	6	7	8	9
12	13	14	15	16
19	20	21	22	23
26	27	28	29	30

**IAATF: Subtraction Strategies****Periodically review multi-digit addition with regrouping.****Week of 5/3:**

- Introduce Fact Families for 2's  
2,3,5/ 2,4,6/ 2,2,4

**Week of 5/10:**

- Continue to introduce Fact Families for 2's  
2,5,7/ 2,6,8/ 2,7,9/ 2,8,10/ 2,9,11

**Week of 5/17:**

- Introduce Fact Families for 3's  
3,4,7/ 3,5,8/ 3,6,9/ 3,7,10

**Week of 5/24:**

- Continue to introduce Fact Families for 3's  
3,8,11/ 3,9,12/ 3,3,6/
- Review Fact Families for 2's and 3's

**4/26 – 5/21: Chapters 3, 7 & 14  
Chapter 4 & 8  
Chapter 15**

**15.1 Fact Families to 20 pgs. 217A-218 (NS 2.1)**

**15.2 Missing Numbers pgs. 319A-320 (NS 2.2)**

**REMINDER: Optional SBA # 9 NS Subtraction is available to administer during this trimester. Each school will need to agree as a grade level whether or not to administer this optional SBA. This SBA can be administered anytime during the trimester at each teacher's discretion.**

**5/24 – 6/4: Chapter 9 Data and Graph**

- 9.3 Read Picture Graphs pgs. 187A-188 (PS 1.2)**  
**9.4 Make Picture Graphs pgs. 189A-190 (PS 1.2)**  
**9.5 Read Tally Charts pgs. 191A-192 (PS 1.2)**  
**9.6 Make Tally Charts pgs. 193A-194 (PS 1.2)**  
**9.7 Read Bar Graphs pgs. 195A-196 (PS 1.2)**  
**9.8 Make Bar Graphs pgs. 197A-198 (PS 1.2)**  
**9.9\* Make Graph pgs. 199A-204 (PS 1.1, MR 1.1, MR 2.2)**  
**\*Supplement: Problem Solving Worksheet 9.9**

**❖ 6/3 – 6/4: Administer SBA #7 SDAP: Data & Graph  
Covering Chapter 9**

**May 2010**

<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>
<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>
<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>
<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>
<b>31</b>				

**IAATF: Subtraction Strategies****Periodically review multi-digit addition with regrouping.****Week of 6/1:**

- Introduce Fact Families for 4's  
4,5,9/ 4,6,10/ 4,7,11/ 4,8,12/ 4,9,13/ 4,4,8

**Week of 6/7:**

- Introduce Fact Families for 5's  
5,6,11/ 5,7,12/ 5,8,13/ 5,9,14/ 5,5,10

**Week of 6/14:**

- Introduce Fact Family for 6's  
6,7,13/ 6,8,14/ 6,9,15/ 6,6,12

**Week of 6/21:**

- Introduce Fact Family for 7's, 8's, 9's  
7,8,15/ 7,9,16/ 7,7,14/ 8,9,17/ 8,8,16/ 9,9,18

**Week of 6/28-7/2:**

- Review all Fact Families

**Continue to use as needed:****Chapters 3, 4, 7, 8 & 14****Chapter 15**

15.3 Fact Families to 20 pgs. 217A-218 (NS 2.1)

15.4 Missing Numbers pgs. 319A-320 (NS 2.2)

❖ **6/3 – 6/4: Administer SBA #7 SDAP: Data & Graph  
Covering Chapter 9**

**6/7 - 6/25: Problem Solving**

- 2.8 Make a Model pgs. 37A-40 (NS 2.5, MR 2.2)
- 3.8 Make a Model pgs. 63A-64 (NS 2.5, MR 1.2)
- 7.5 Write a Number Sentence pgs. 143A-146 (AF 1.1, 1.2, MR 2.2)
- 13.6 Write a Number Sentence pgs. 289A-290 (AF 1.2, MR 2.2)
- 4.5 Choose the Operation pgs. 81A-82 (AF 1.3, 1.2, MR 2.2)
- 15.6 Create Addition & Subtraction Problems pgs. 327A-328 (AF 1.1, 1.3)
- 15.7 Choose the Operation pgs. 329A-330 (AF 1.1, 1.2, MR 1.1, 2.1, 2.2)
- 11.8 Use a Table pgs. 245A-246 (NS 1.2, MR 2.0-2.2)
- 14.5 Use Data From a Table pgs. 307A-308 (AF 1.1, 1.2)
- 19.4 Number Patterns pgs. 411A-412 (PS 2.1)

❖ **6/24 - 6/25: Administer SBA #8 AF: Problem Solving**

**6/28 – 7/9: Review Trimester 3 Content  
Administer Practice EOC and reteach accordingly**

**June 2010**

<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>
	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>
<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>
<b>28</b>	<b>29</b>	<b>30</b>		

**IAATF: Subtraction Strategies**  
**Periodically review multi-digit addition with regrouping.**

**6/28 – 7/9: Review Trimester 3 Content**  
**Administer Practice EOC and reteach accordingly**

❖ **7/12-7/16: Administer End of Course Exam**

**7/19-End of Year:**  
**Reteach accordingly**

## July 2010

<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>
			1	2
5	6	7	8	9
12	13	14	15	16
19	20	21	22	23
26 Students' Last Day	27 Teachers' Last Day	28	29	30