

**BERNARDS TOWNSHIP PUBLIC SCHOOLS
BASKING RIDGE, NEW JERSEY**

FRAMEWORK FOR COMPUTATIONAL FLUENCY

GRADE 2

Summer 2008

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In order to develop students' math skills, the mathematics curriculum should include a balance and connection between conceptual understanding and computational fluency. "Fluency refers to having efficient, accurate and generalizable methods (algorithms) for computing that are based on well-understood properties and number relationships" (Principles and Standards for School Mathematics, p.144). Developing a conceptual understanding of mathematical reasoning is essential. Students need to acquire computational fluency in order to be successful problem solvers.

Not all students develop automatic recall of basic facts at the same time. However, teachers should work with students so that each student acquires an understanding of several computational strategies and implements them appropriately with the goal of gaining automaticity with basic facts and computational algorithms. For example, a focus in the primary grades is to master computational fluency with addition and subtraction facts through twenty. Students should develop multiplication and division fact power between third and fourth grade.

Algorithms are important tools that help students become fluent and flexible in computing. In addition to the algorithm instruction provided in *Everyday Mathematics*, students should learn the appropriate "traditional" algorithm. In order to facilitate a smooth articulation of the teaching of the "traditional" algorithms, Grade 2 teachers are responsible for teaching the multi-digit addition algorithm with regrouping, Grade 3 teachers are responsible for teaching the multi-digit subtraction algorithm with regrouping, Grade 4 teachers are responsible for teaching the multi-digit multiplication algorithm, and Grade 5 teachers are responsible for teaching the long division algorithm. Sometimes students bring the "traditional" algorithms from home and introduce them

into the instructional setting at various other times during the course of the school year. Teachers should allow the students to utilize the “traditional” algorithm (even if the timing is not congruent with that listed above) as long as the student demonstrates an understanding of and competency with the algorithm itself. As always, teachers should encourage the students to practice a variety of appropriate computational algorithms as the use of various algorithms will increase the students’ computational fluency. On an individual student basis, teachers can also make suggestions for use of a particular algorithm for those students who appear to lack fluency with computational algorithms.

The *Framework for Computational Fluency (FCF)* provides a variety of materials to use in addition to the materials already provided in *Everyday Mathematics*. Teachers should use the *FCF* book for developing and practicing computational fluency and basic facts prior to accessing other math resources. Teachers can utilize the *FCF* book in a variety of ways. The pages in the booklet are organized by grade level, however teachers are free to use pages from other units or grade levels to differentiate instruction in order to better meet the needs of the learners. The activities in the booklet can be used in place of or along with a Math Message or the Mental Math and Reflexes. They can be used as practice or as assessment, timed or not timed. Teachers are encouraged to present *FCF* worksheets via the Smartboard with students using slates and/or notebooks to record their work. For ease of implementation some of the pages are aligned with the lessons in *Everyday Mathematics*. Each grade level within the *FCF* has a sheet that aligns the *FCF* pages with the *Everyday Mathematics* lessons.

References

- Bell, J., et al. (2007). *Everyday mathematics the University of Chicago School of Mathematics project: Teacher's lesson guide*. Chicago, IL: McGraw Hill Wright Group.
- National Council of Teachers of Mathematics (NCTM) (2006). *Curriculum focal points for prekindergarten through grade 8 mathematics*. Retrieved July 8, 2008, from <http://www.nctm.org/focalpoints.aspx?linkidentifier=id&itemid=270>
- National Council of Teachers of Mathematics (NCTM) (2000). *Principles and standards for school mathematics*. Reston, VA: The National Council of Teachers of Mathematics, Inc.
- Primary mathematics textbook 1A/B*. (2007). Singapore: Marshall Cavendish Education.
- Primary mathematics textbook 2A/B*. (2007). Singapore: Marshall Cavendish Education.
- Primary mathematics textbook 3A/B*. (2007). Singapore: Marshall Cavendish Education.
- Primary mathematics textbook 4A/B*. (2007). Singapore: Marshall Cavendish Education.
- Primary mathematics textbook 5A/B*. (2007). Singapore: Marshall Cavendish Education.

Addition with Regrouping (use after lesson 4.7 or with 4.8)

Objectives: To guide students as they develop regrouping strategies for adding 2- and 3-digit numbers; and to encourage using estimation to check if answers are reasonable.

Key Activities

Students solve 2-digit addition problems, record their work with paper and pencil, and share regrouping strategies. Students use ballpark estimates to check whether their answers are reasonable. Students practice using regrouping methods to add 2-, 3-, and 4-digit numbers.

Key Concepts and Skills

- Share solution strategies for finding the sum of 2-digit numbers using the traditional regrouping method
- Use base-10 blocks to add 2-digit numbers
- Estimate sums by changing the addends to “close but easier” numbers

Key Vocabulary

regrouping

Materials

- base-10 blocks
- Math Journal 1, p.105 **and/or**
- *Framework for Computational Fluency*, pages 2-6, 2-7, 2-18, 2-19, 2-20
- Class Data Pad

Mental Math and Reflexes

Pose pairs of problems similar to the following:

$$30 + 40 = ?$$

$$? = 60 + 30$$

$$20 + 46 = ?$$

$$? = 58 + 30$$

$$124 + 40 = ?$$

Math Message

Solve. Be prepared to tell how you found your answer.

$$\begin{array}{r} 58 \\ + 24 \\ \hline \end{array}$$

I. Teaching the Lesson

➤ Math Message Follow-Up

Have students share and explain their answers. Explain to the class that they will use a new strategy to solve double-digit addition problems with regrouping. To support English language learners, discuss the meaning of *regrouping*.

➤ Discussing the Use of the Regrouping Strategy to Solve Multi-Digit Addition Problems

Review with the class the place value of each digit in a double-digit number. Use base-10 blocks to help students visualize the double-digit numbers from the Math Message. Combine the ones column digits from the Math Message problem to show $8 + 4 = 1$ long and 2 cubes. Combine the tens column to show $5 \text{ tens} + 2 \text{ tens} = 7$ longs. Model regrouping by “carrying” the long from the ones column over to the tens. Guide the students to count the longs and cubes to find the answer.

➤ **Solving Addition Problems; Keeping a Paper-and-Pencil Record**

Rewrite the Math Message on the board and model the Paper-and-Pencil record for Regrouping with Addition. Highlight the importance of lining up the tens and ones columns when using this strategy. Demonstrate adding the ones column first and “carrying” a ten over to the tens column when necessary. Show the “carrying” of the ten by writing a small 1 directly over the tens column. Remind students that the small 1 is representative of 1 ten and should be added to the tens column when finding the answer.

Write problems like the following on the board, some in a horizontal format and some in a vertical format. Explain to students that horizontal problems should be rewritten in the vertical format.

$$29 + 37 =$$

$$76 + 47 =$$

$$53 + 28 =$$

$$163 + 58 =$$

$$26 + 85 =$$

$$219 + 352 =$$

Have students work on the problems on their slates. Remind them to check whether each answer is reasonable by making a ballpark estimate.

➤ **Finding the Sum of Two Multi-Digit Numbers**

Have partners work together to solve the addition problems on journal page 105 OR on *Framework for Computational Fluency* pages 2-5, 2-6, 2-7, 2-18, 2-19 OR 2-20. Tell students to show their work in the workspaces. Circulate and listen to the interactions as students work on the problems, helping when necessary.

II. Ongoing Learning and Practice

Students should continue to practice Regrouping with Addition using pages in the *Framework for Computational Fluency*. These pages may also be sent home as homework.

Suggested Implementation Guide for Framework for Computational Fluency
 Teachers should feel free to implement pages at their own professional discretion.

Unit 1: Numbers and Routines

Lesson	Title	Supplemental Materials
1.1	Math Message and Number Sequences	
1.2	Tools and Coins	
1.3	Calendars and Clocks	
1.4	Partner Study Routines	
1.5	Grouping by Tens- \$1, \$10, \$100	
1.6	Math Boxes	
1.7	Working in Small Groups	
1.8	Number Grids	2-3, 2-4
1.9	Equivalent Names for Numbers	
1.10	Counting Patterns	
1.11	Relations (<, >, =) and Home Links	
1.12	Exploring Templates, Base-10 Structures, and Dominoes	

Unit 2: Addition and Subtraction Facts

Lesson	Title	Supplemental Materials
2.1	Addition Number Stories	
2.2	Review “Easy” Addition Facts	2-22, 2-23
2.3	Doubles Facts	2-24, 2-25
2.4	Turn-Around Facts and the +9 Shortcut	2-26
2.5	Addition Strategies that Use Doubles Facts	2-27
2.6	Subtraction From Addition	2-2
2.7	Fact Families	
2.8	Exploring Weights, Scales, Equal Groups	2-32, 2-33
2.9	Name Collections	
2.10	Frames-and-Arrows Routines	
2.11	“What’s My Rule?” Routines	
2.12	Counting Strategies for Subtraction	2-28, 2-29
2.13	Shortcuts for “Harder” Subtraction Facts	2-30, 2-31

Unit 3: Place Value, Money, and Time

Lesson	Title	Supplemental Materials
3.1	Numeration and Place Value	
3.2	Using Coins to Buy Things	2-14, 2-15
3.3	Telling Time	
3.4	Exploring Numbers, Time, and Geoboards	
3.5	Data Day: Pockets	
3.6	Frames and Arrows Having Two Rules	2-35
3.7	Making Change by Counting Up	2-13
3.8	Coin Exchanges	

Unit 4: Addition and Subtraction

Lesson	Title	Supplemental Materials
4.1	Change-to-More Number Stories	
4.2	Parts-and-Total Number Stories	2-36
4.3	Exploring Temperature, Money, and Shapes	
4.4	Temperature Changes	
4.5	Estimating Costs	
4.6	A Shopping Activity	
4.7	Exploring Length, Area, and Attributes	
4.8	Paper-and-Pencil Addition Strategies	
4.9	The Partial-Sums Addition Algorithm	2-5, 2-6, 2-7

Unit 5: 3-D and 2-D Shapes

Lesson	Title	Supplemental Materials
5.1	Exploring Rules, Sharing, and Time	2-18
5.2	Points and Line Segments	
5.3	Parallel Line Segments	
5.4	Exploring Polygons, Arrays, and Attributes	2-19
5.5	Quadrangles	
5.6	3-Dimensional Shapes	
5.7	Pyramids	2-20
5.8	Line Symmetry	

Unit 6: Whole-Number Operations and Number Stories

Lesson	Title	Supplemental Materials
6.1	Addition of Three or More Numbers	2-34
6.2	Comparison Number Stories	
6.3	Data Day: The Four Food Groups	
6.4	Mixed Addition and Subtraction Stories	
6.5	Subtraction Strategies	
6.6	Exploring Arrays, Coins, and Division	
6.7	Multiples of Equal Groups	1-18, 1-19
6.8	Multiplication-Array Number Stories	
6.9	Multiplication with Arrays	
6.10	Division Stories	

Unit 7: Patterns and Rules

Lesson	Title	Supplemental Materials
7.1	Patterns in Counting	
7.2	Extending Complements of 10	2-1
7.3	Mental Arithmetic: A Basketball Game	
7.4	Patterns in Doubles and Halves	
7.5	Exploring Weights, Equal Sharing, and Patterns	
7.6	Data Day: Standing Jumps and Arm Spans	
7.7	Middle Value (Median) of a Set of Data	
7.8	Frequency Distributions	

Unit 8: Fractions

Lesson	Title	Supplemental Materials
8.1	Equal Parts of ONE	2-21
8.2	Exploring Fractions, Multiplication and Division, and Volume	
8.3	Collections of Things	
8.4	Equivalent Fractions	
8.5	Equivalent Fractions Using Fraction Cards	
8.6	Comparing Fractions	
8.7	Fraction Number Stories	

Unit 9: Measurement

Lesson	Title	Supplemental Materials
9.1	Measuring with Yards and Meters	
9.2	Linear Measures	
9.3	Fractional Units of Length	
9.4	Perimeter	
9.5	Measuring Longer Distances	
9.6	Exploring Capacity, Area, and Measures	
9.7	Area	
9.8	Capacity	
9.9	Weight	

Unit 10: Decimals and Place Value

Lesson	Title	Supplemental Materials
10.1	Money	
10.2	Decimal Notation for Pennies and Dimes	
10.3	Money Amounts with a Calculator	
10.4	Using a Calculator to Solve Problems with Money	
10.5	Estimating and Finding Exact Costs	2-16, 2-17
10.6	Making Change	
10.7	Exploring Area, Polygons, and Geoboard Fractions	
10.8	Place Value	
10.9	Place-Value Tools	
10.10	Place-Value Notation for Ten-Thousands	
10.11	Grouping with Parentheses	

Unit 11: Whole-Number Operations Revisited

Lesson	Title	Supplemental Materials
11.1	Addition Number Stories with Dollars and Cents	
11.2	Subtraction Number Stories with Dollars and Cents	
11.3	The Trade-First Subtraction Algorithm	2-8, 2-9, 2-10, 2-11, 2-12
11.4	Multiples of Equal Groups	1-17, 1-19
11.5	Division Number Models	
11.6	Multiplication Facts	1-20, 1-21, 1-22
11.7	Products Table	1-23, 1-24
11.8	Multiplication/Division Fact Families	
11.9	Multiplication/Division Fact Practice	

Unit 12: Year-End Reviews and Extensions

Lesson	Title	Supplemental Materials
12.1	Review: The Calendar	2-37
12.2	Review: Clock Skills	2-38
12.3	Timelines	2-39
12.4	Practice Multiplication Facts	
12.5	Division from Multiplication	
12.6	Graphs: Comparing Speeds of Animals People	
12.7	The Mode of a Set of Data	

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 1

Complete the number sentences.

1. a) $44 + 1 = \underline{\quad}$ b) $44 + 2 = \underline{\quad}$
 c) $44 + 10 = \underline{\quad}$ d) $44 + 20 = \underline{\quad}$
 e) $44 - 1 = \underline{\quad}$ f) $44 - 2 = \underline{\quad}$
 g) $44 - 10 = \underline{\quad}$ h) $44 - 20 = \underline{\quad}$

2. a) $50 + 1 = \underline{\quad}$ b) $50 + 2 = \underline{\quad}$
 c) $50 + 10 = \underline{\quad}$ d) $50 + 20 = \underline{\quad}$
 e) $50 - 1 = \underline{\quad}$ f) $50 - 2 = \underline{\quad}$
 g) $50 - 10 = \underline{\quad}$ h) $50 - 20 = \underline{\quad}$

3. a) $68 + 1 = \underline{\quad}$ b) $68 + 2 = \underline{\quad}$
 c) $68 + 10 = \underline{\quad}$ d) $68 + 20 = \underline{\quad}$
 e) $68 - 1 = \underline{\quad}$ f) $68 - 2 = \underline{\quad}$
 g) $68 - 10 = \underline{\quad}$ h) $68 - 20 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

2 - 2

Add or subtract.

A) $8 + 2 = \underline{\quad}$

$2 + 8 = \underline{\quad}$

$10 - 2 = \underline{\quad}$

$10 - 8 = \underline{\quad}$

B) $4 + 7 = \underline{\quad}$

$7 + 4 = \underline{\quad}$

$11 - 4 = \underline{\quad}$

$11 - 7 = \underline{\quad}$

C) $7 + 6 = \underline{\quad}$

$6 + 7 = \underline{\quad}$

$13 - 6 = \underline{\quad}$

$13 - 7 = \underline{\quad}$

D) $6 + 8 = \underline{\quad}$

$8 + 6 = \underline{\quad}$

$14 - 8 = \underline{\quad}$

$14 - 6 = \underline{\quad}$

E) $14 + 3 = \underline{\quad}$

$3 + 14 = \underline{\quad}$

$17 - 3 = \underline{\quad}$

$17 - 14 = \underline{\quad}$

F) $10 + 9 = \underline{\quad}$

$9 + 10 = \underline{\quad}$

$19 - 10 = \underline{\quad}$

$19 - 9 = \underline{\quad}$

G) $20 + 5 = \underline{\quad}$

$5 + 20 = \underline{\quad}$

$25 - 5 = \underline{\quad}$

$25 - 20 = \underline{\quad}$

H) $13 + 6 = \underline{\quad}$

$6 + 13 = \underline{\quad}$

$19 - 6 = \underline{\quad}$

$19 - 13 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 3

Add and write the answers in the boxes. Use your number grid to help you.

a			b	c		d	
		e		f	g		
	h						i
			j			k	
l		m			n		
o				p			

ACROSS

- a) $40 + 7$
- b) $38 + 11$
- d) $34 + 30$
- f) $26 + 63$
- h) $73 + 2$
- j) $55 + 13$
- k) $24 + 24$
- m) $14 + 63$
- n) $25 + 51$
- o) $4 + 91$
- p) $23 + 41$

DOWN

- a) $42 + 3$
- c) $96 + 2$
- e) $21 + 34$
- g) $91 + 8$
- h) $41 + 31$
- i) $13 + 25$
- j) $61 + 6$
- k) $14 + 32$
- l) $37 + 32$
- n) $31 + 43$

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 4

Subtract and write the answers in the boxes. Use your number grid to help you.

	a	b		c	d
e		f	g		
h	i		j	k	
				l	m
n		o			
p				q	

ACROSS

a) $96 - 21$

c) $55 - 41$

f) $38 - 6$

h) $47 - 20$

j) $26 - 12$

l) $98 - 10$

o) $85 - 35$

p) $67 - 31$

q) $55 - 53$

DOWN

b) $85 - 32$

d) $57 - 14$

e) $78 - 6$

g) $34 - 13$

i) $89 - 15$

k) $99 - 51$

m) $87 - 5$

n) $95 - 42$

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 5

Add.

$$\begin{array}{r} \text{A.} \quad 6 \ 2 \\ + 1 \ 9 \\ \hline \end{array}$$

$$\begin{array}{r} \text{B.} \quad 6 \ 7 \\ + 2 \ 5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{D.} \quad 4 \ 5 \\ + 4 \ 8 \\ \hline \end{array}$$

$$\begin{array}{r} \text{H.} \quad 2 \ 5 \\ + 4 \ 7 \\ \hline \end{array}$$

$$\begin{array}{r} \text{I.} \quad 4 \ 3 \\ + 3 \ 9 \\ \hline \end{array}$$

$$\begin{array}{r} \text{P.} \quad 7 \ 9 \\ + 1 \ 6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{R.} \quad 4 \ 6 \\ + 3 \ 8 \\ \hline \end{array}$$

$$\begin{array}{r} \text{T.} \quad 3 \ 6 \\ + 3 \ 4 \\ \hline \end{array}$$

$$\begin{array}{r} \text{Y.} \quad 5 \ 1 \\ + 2 \ 9 \\ \hline \end{array}$$

Write the letters, which match the answers.

You will find a message.

72	81	95	95	80

92	82	84	70	72	93	81	90

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 6

Add.

$$\begin{array}{r} \text{H.} \quad 773 \\ + \quad 57 \\ \hline \end{array}$$

$$\begin{array}{r} \text{L.} \quad 286 \\ + \quad 39 \\ \hline \end{array}$$

$$\begin{array}{r} \text{F.} \quad 802 \\ + \quad 99 \\ \hline \end{array}$$

$$\begin{array}{r} \text{G.} \quad 426 \\ + \quad 77 \\ \hline \end{array}$$

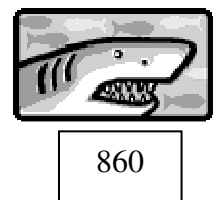
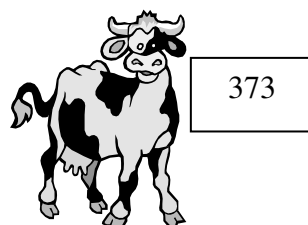
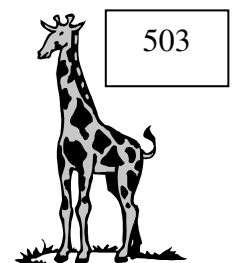
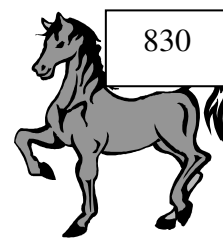
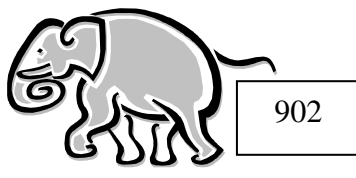
$$\begin{array}{r} \text{C.} \quad 178 \\ + \quad 195 \\ \hline \end{array}$$

$$\begin{array}{r} \text{M.} \quad 461 \\ + \quad 279 \\ \hline \end{array}$$

$$\begin{array}{r} \text{E.} \quad 267 \\ + \quad 635 \\ \hline \end{array}$$

$$\begin{array}{r} \text{S.} \quad 594 \\ + \quad 266 \\ \hline \end{array}$$

Write each letter with an animal to check the answers.



Computational Fluency

Name: _____ Date: _____ Time: _____

2 - 7

Add.

$$\begin{array}{r} 1. \quad 654 \\ + \quad 47 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 586 \\ + \quad 74 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 995 \\ + \quad 69 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 473 \\ + \quad 269 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 608 \\ + \quad 192 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 637 \\ + \quad 277 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 536 \\ + \quad 294 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 289 \\ + \quad 546 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 497 \\ + \quad 314 \\ \hline \end{array}$$

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 8

Subtract.

C.
$$\begin{array}{r} 52 \\ - 37 \\ \hline \end{array}$$

D.
$$\begin{array}{r} 74 \\ - 36 \\ \hline \end{array}$$

E.
$$\begin{array}{r} 83 \\ - 46 \\ \hline \end{array}$$

I.
$$\begin{array}{r} 96 \\ - 57 \\ \hline \end{array}$$

M.
$$\begin{array}{r} 62 \\ - 58 \\ \hline \end{array}$$

N.
$$\begin{array}{r} 45 \\ - 39 \\ \hline \end{array}$$

O.
$$\begin{array}{r} 50 \\ - 4 \\ \hline \end{array}$$

S.
$$\begin{array}{r} 87 \\ - 59 \\ \hline \end{array}$$

T.
$$\begin{array}{r} 90 \\ - 64 \\ \hline \end{array}$$

Why do you go to bed?

Write the letters in the boxes below to find the reason.

39	26

38	46	37	28

6	46	26

15	46	4	37

26	46

4	37

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 9

Subtract.

B. 3 2 1
 – 6 8

S. 6 5 3
 – 8 5

D. 8 3 8
 – 9 9

E. 3 7 0
 – 2 9 5

A. 5 1 5
 – 2 9 7

O. 9 4 5
 – 2 9 6

O. 8 1 7
 – 4 3 8

K. 6 3 8
 – 1 4 9

R. 7 6 2
 – 4 8 5

Write the letters in the boxes below to complete the message.

277	75	218	739

253	379	649	489	568

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 10

Subtract.

$$\begin{array}{r} 1. \quad 310 \\ - 289 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 525 \\ - 328 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 618 \\ - 459 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 632 \\ - 473 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 334 \\ - 139 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 453 \\ - 155 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 746 \\ - 669 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 937 \\ - 879 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 752 \\ - 278 \\ \hline \end{array}$$

Computational Fluency

Name: _____ Date: _____ Time: _____

2 - 11

Subtract.

1.

$$\begin{array}{r} 310 \\ - 289 \\ \hline \end{array}$$

2.

$$\begin{array}{r} 525 \\ - 328 \\ \hline \end{array}$$

3.

$$\begin{array}{r} 632 \\ - 473 \\ \hline \end{array}$$

4.

$$\begin{array}{r} 334 \\ - 139 \\ \hline \end{array}$$

5.

$$\begin{array}{r} 453 \\ - 155 \\ \hline \end{array}$$

6.

$$\begin{array}{r} 746 \\ - 669 \\ \hline \end{array}$$

7.

$$\begin{array}{r} 937 \\ - 879 \\ \hline \end{array}$$

8.

$$\begin{array}{r} 752 \\ - 278 \\ \hline \end{array}$$

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 12

Add or Subtract.

1. 2 2 7
 + 3 4 8

2. 5 5 0
 + 8 4

3. 5 7 8
 + 2 9 4

4. 3 6 7
 + 4 3 3

5. 5 9 5
 - 2 3 5

6. 4 0 0
 - 2 7 4

7. 4 0 3
 - 5 8

8. 7 0 2
 - 1 4 9

9. 3 5 2
 + 2 7 8

10. 2 5 7
 - 5 8

11. 8 2 4
 - 1 4 9

12. 4 9 8
 + 2 6 4

13. 3 8 0
 - 4 6

14. 6 0 1
 - 5 7

15. 4 5 1
 + 1 9 9

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 13

Write the missing numbers.

A) $98 + \underline{\quad} = 100$

$97 + \underline{\quad} = 100$

$94 + \underline{\quad} = 100$

$92 + \underline{\quad} = 100$

B) $82 + \underline{\quad} = 100$

$30 + \underline{\quad} = 100$

$85 + \underline{\quad} = 100$

$66 + \underline{\quad} = 100$

C) $41 + \underline{\quad} = 100$

$57 + \underline{\quad} = 100$

$8 + \underline{\quad} = 100$

$5 + \underline{\quad} = 100$

D) $34 + \underline{\quad} = 100$

$37 + \underline{\quad} = 100$

$27 + \underline{\quad} = 100$

$24 + \underline{\quad} = 100$

E) $100 - 34 = \underline{\quad}$

$100 - 36 = \underline{\quad}$

$100 - 38 = \underline{\quad}$

$100 - 40 = \underline{\quad}$

F) $100 - 76 = \underline{\quad}$

$100 - 78 = \underline{\quad}$

$100 - 79 = \underline{\quad}$

$100 - 83 = \underline{\quad}$

G) $100 - 23 = \underline{\quad}$

$100 - 25 = \underline{\quad}$

$100 - 27 = \underline{\quad}$

$100 - 30 = \underline{\quad}$

H) $100 - 45 = \underline{\quad}$

$100 - 49 = \underline{\quad}$

$100 - 51 = \underline{\quad}$

$100 - 57 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 14

Add.

A) $23 + 3 = \underline{\quad}$

$67 + 1 = \underline{\quad}$

$82 + 7 = \underline{\quad}$

$28 + 5 = \underline{\quad}$

B) $52 + 5 = \underline{\quad}$

$42 + 7 = \underline{\quad}$

$74 + 4 = \underline{\quad}$

$63 + 7 = \underline{\quad}$

C) $19 + 8 = \underline{\quad}$

$32 + 7 = \underline{\quad}$

$45 + 7 = \underline{\quad}$

$56 + 6 = \underline{\quad}$

D) $74 + 5 = \underline{\quad}$

$56 + 9 = \underline{\quad}$

$88 + 4 = \underline{\quad}$

$49 + 8 = \underline{\quad}$

E) $24 + 30 = \underline{\quad}$

$67 + 20 = \underline{\quad}$

$81 + 70 = \underline{\quad}$

$28 + 60 = \underline{\quad}$

F) $53 + 50 = \underline{\quad}$

$42 + 60 = \underline{\quad}$

$75 + 40 = \underline{\quad}$

$63 + 80 = \underline{\quad}$

G) $24 + 30 = \underline{\quad}$

$67 + 20 = \underline{\quad}$

$81 + 70 = \underline{\quad}$

$28 + 60 = \underline{\quad}$

H) $53 + 50 = \underline{\quad}$

$42 + 60 = \underline{\quad}$

$75 + 40 = \underline{\quad}$

$63 + 80 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 15

Add.

A) $250 + 50 = \underline{\quad}$

$638 + 80 = \underline{\quad}$

$386 + 60 = \underline{\quad}$

$250 + 70 = \underline{\quad}$

B) $775 + 60 = \underline{\quad}$

$410 + 80 = \underline{\quad}$

$545 + 90 = \underline{\quad}$

$875 + 70 = \underline{\quad}$

C) $100 + 200 = \underline{\quad}$

$400 + 600 = \underline{\quad}$

$600 + 100 = \underline{\quad}$

$300 + 400 = \underline{\quad}$

D) $300 + 600 = \underline{\quad}$

$300 + 200 = \underline{\quad}$

$500 + 100 = \underline{\quad}$

$700 + 800 = \underline{\quad}$

E) $350 + 200 = \underline{\quad}$

$275 + 300 = \underline{\quad}$

$264 + 500 = \underline{\quad}$

$415 + 200 = \underline{\quad}$

F) $506 + 100 = \underline{\quad}$

$409 + 200 = \underline{\quad}$

$325 + 400 = \underline{\quad}$

$535 + 300 = \underline{\quad}$

G) $507 + 500 = \underline{\quad}$

$415 + 500 = \underline{\quad}$

$265 + 400 = \underline{\quad}$

$756 + 200 = \underline{\quad}$

H) $100 + 200 = \underline{\quad}$

$289 + 700 = \underline{\quad}$

$342 + 400 = \underline{\quad}$

$833 + 100 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 16

Add.

A) $99 + 37 = \underline{\quad}$

$247 + 98 = \underline{\quad}$

$97 + 46 = \underline{\quad}$

$66 + 99 = \underline{\quad}$

B) $520 + 99 = \underline{\quad}$

$185 + 99 = \underline{\quad}$

$198 + 99 = \underline{\quad}$

$208 + 98 = \underline{\quad}$

C) $206 + 98 = \underline{\quad}$

$199 + 99 = \underline{\quad}$

$306 + 98 = \underline{\quad}$

$99 + 556 = \underline{\quad}$

D) $235 + 98 = \underline{\quad}$

$99 + 408 = \underline{\quad}$

$99 + 399 = \underline{\quad}$

$98 + 503 = \underline{\quad}$

Subtract.

E) $20 - 7 = \underline{\quad}$

$70 - 4 = \underline{\quad}$

$30 - 3 = \underline{\quad}$

$80 - 7 = \underline{\quad}$

F) $60 - 8 = \underline{\quad}$

$50 - 2 = \underline{\quad}$

$40 - 9 = \underline{\quad}$

$90 - 8 = \underline{\quad}$

G) $51 - 40 = \underline{\quad}$

$87 - 50 = \underline{\quad}$

$44 - 20 = \underline{\quad}$

$79 - 30 = \underline{\quad}$

H) $73 - 30 = \underline{\quad}$

$68 - 40 = \underline{\quad}$

$35 - 10 = \underline{\quad}$

$92 - 70 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 17

Subtract.

A) $539 - 70 = \underline{\quad}$

$266 - 80 = \underline{\quad}$

$407 - 30 = \underline{\quad}$

$238 - 40 = \underline{\quad}$

B) $748 - 90 = \underline{\quad}$

$353 - 70 = \underline{\quad}$

$625 - 80 = \underline{\quad}$

$831 - 60 = \underline{\quad}$

C) $400 - 200 = \underline{\quad}$

$900 - 300 = \underline{\quad}$

$800 - 500 = \underline{\quad}$

$200 - 100 = \underline{\quad}$

D) $700 - 400 = \underline{\quad}$

$300 - 200 = \underline{\quad}$

$600 - 200 = \underline{\quad}$

$500 - 300 = \underline{\quad}$

E) $832 - 400 = \underline{\quad}$

$257 - 100 = \underline{\quad}$

$734 - 500 = \underline{\quad}$

$487 - 200 = \underline{\quad}$

F) $383 - 300 = \underline{\quad}$

$594 - 200 = \underline{\quad}$

$628 - 400 = \underline{\quad}$

$778 - 600 = \underline{\quad}$

G) $744 - 300 = \underline{\quad}$

$346 - 100 = \underline{\quad}$

$626 - 500 = \underline{\quad}$

$587 - 300 = \underline{\quad}$

H) $284 - 100 = \underline{\quad}$

$648 - 200 = \underline{\quad}$

$736 - 400 = \underline{\quad}$

$833 - 400 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 18

Add.

$$\begin{array}{r} 1. \quad 78 \\ + 19 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 17 \\ + 29 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 65 \\ + 38 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 75 \\ + 27 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 63 \\ + 39 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 89 \\ + 16 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 56 \\ + 39 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 16 \\ + 39 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 31 \\ + 59 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 56 \\ + 39 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 16 \\ + 39 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 31 \\ + 59 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 56 \\ + 39 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 16 \\ + 39 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 31 \\ + 59 \\ \hline \end{array}$$

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 19

Add.

$$\begin{array}{r} 1. \quad 88 \\ + 13 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 97 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 55 \\ + 39 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 15 \\ + 28 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 43 \\ + 38 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 78 \\ + 16 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 47 \\ + 49 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 26 \\ + 38 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 59 \\ + 28 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 56 \\ + 39 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 16 \\ + 39 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 93 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 59 \\ + 39 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 18 \\ + 38 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 37 \\ + 47 \\ \hline \end{array}$$

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 20

Add.

$$\begin{array}{r} 1. \quad 238 \\ + 348 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 537 \\ + 84 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 567 \\ + 294 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 367 \\ + 433 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 595 \\ + 235 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 426 \\ + 274 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 453 \\ + 58 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 742 \\ + 149 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 389 \\ + 278 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 222 \\ + 348 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 559 \\ + 84 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 678 \\ + 277 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 369 \\ + 433 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 596 \\ + 235 \\ \hline \end{array}$$

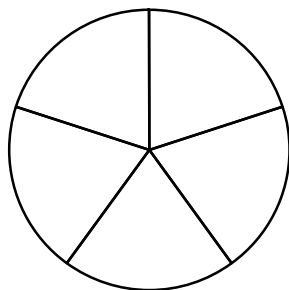
$$\begin{array}{r} 15. \quad 488 \\ + 274 \\ \hline \end{array}$$

Computational Fluency

Name: _____ Date: _____ Time: _____
2 – 21

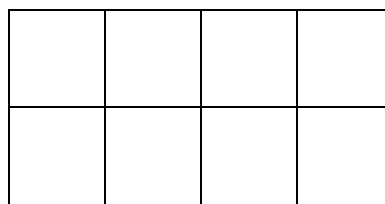
Color each figure to show the given fractions.

1. $\frac{2}{5}$ red $\frac{1}{5}$ yellow



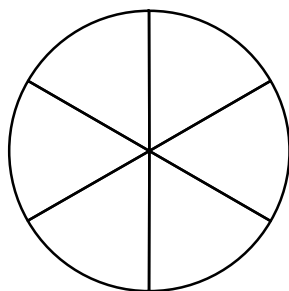
What fraction is **not** colored? _____

2. $\frac{2}{8}$ blue $\frac{5}{8}$ green



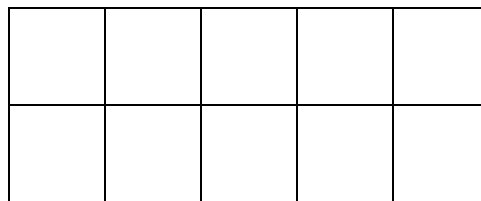
What fraction is **not** colored? _____

3. $\frac{3}{6}$ red $\frac{2}{6}$ blue



What fraction is **not** colored? _____

4. $\frac{4}{10}$ yellow $\frac{3}{10}$ red



What fraction is **not** colored? _____

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 22 (Easy Addition Facts)

Add.

A) $7 + 3 = \underline{\quad}$

$6 + 1 = \underline{\quad}$

$6 + 2 = \underline{\quad}$

$4 + 0 = \underline{\quad}$

B) $0 + 5 = \underline{\quad}$

$1 + 7 = \underline{\quad}$

$2 + 4 = \underline{\quad}$

$3 + 7 = \underline{\quad}$

C) $0 + 8 = \underline{\quad}$

$1 + 7 = \underline{\quad}$

$3 + 7 = \underline{\quad}$

$2 + 6 = \underline{\quad}$

D) $0 + 5 = \underline{\quad}$

$3 + 9 = \underline{\quad}$

$2 + 4 = \underline{\quad}$

$1 + 8 = \underline{\quad}$

E) $0 + 30 = \underline{\quad}$

$1 + 20 = \underline{\quad}$

$2 + 70 = \underline{\quad}$

$3 + 60 = \underline{\quad}$

F) $0 + 50 = \underline{\quad}$

$1 + 60 = \underline{\quad}$

$2 + 40 = \underline{\quad}$

$3 + 80 = \underline{\quad}$

G) $3 + 30 = \underline{\quad}$

$2 + 20 = \underline{\quad}$

$0 + 70 = \underline{\quad}$

$1 + 60 = \underline{\quad}$

H) $3 + 50 = \underline{\quad}$

$2 + 60 = \underline{\quad}$

$0 + 40 = \underline{\quad}$

$1 + 80 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 23 (Easy Addition Facts)

Add.

A) $8 + 3 = \underline{\quad}$

$9 + 1 = \underline{\quad}$

$5 + 2 = \underline{\quad}$

$4 + 0 = \underline{\quad}$

B) $0 + 3 = \underline{\quad}$

$1 + 6 = \underline{\quad}$

$2 + 8 = \underline{\quad}$

$3 + 9 = \underline{\quad}$

C) $0 + 6 = \underline{\quad}$

$1 + 4 = \underline{\quad}$

$3 + 7 = \underline{\quad}$

$2 + 3 = \underline{\quad}$

D) $0 + 7 = \underline{\quad}$

$3 + 6 = \underline{\quad}$

$2 + 5 = \underline{\quad}$

$1 + 4 = \underline{\quad}$

E) $0 + 60 = \underline{\quad}$

$1 + 50 = \underline{\quad}$

$2 + 40 = \underline{\quad}$

$3 + 30 = \underline{\quad}$

F) $0 + 90 = \underline{\quad}$

$1 + 70 = \underline{\quad}$

$2 + 60 = \underline{\quad}$

$3 + 50 = \underline{\quad}$

G) $3 + 80 = \underline{\quad}$

$2 + 40 = \underline{\quad}$

$0 + 50 = \underline{\quad}$

$1 + 70 = \underline{\quad}$

H) $3 + 40 = \underline{\quad}$

$2 + 40 = \underline{\quad}$

$0 + 80 = \underline{\quad}$

$1 + 90 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 24 (Doubles Facts)

Add.

A) $7 + 7 = \underline{\quad}$

$6 + 6 = \underline{\quad}$

$2 + 2 = \underline{\quad}$

$4 + 4 = \underline{\quad}$

B) $5 + 5 = \underline{\quad}$

$7 + 7 = \underline{\quad}$

$4 + 4 = \underline{\quad}$

$3 + 3 = \underline{\quad}$

C) $8 + 8 = \underline{\quad}$

$1 + 1 = \underline{\quad}$

$7 + 7 = \underline{\quad}$

$6 + 6 = \underline{\quad}$

D) $0 + 0 = \underline{\quad}$

$3 + 3 = \underline{\quad}$

$4 + 4 = \underline{\quad}$

$1 + 1 = \underline{\quad}$

E) $0 + 0 = \underline{\quad}$

$2 + 2 = \underline{\quad}$

$7 + 7 = \underline{\quad}$

$4 + 4 = \underline{\quad}$

F) $5 + 5 = \underline{\quad}$

$6 + 6 = \underline{\quad}$

$4 + 4 = \underline{\quad}$

$8 + 8 = \underline{\quad}$

G) $3 + 3 = \underline{\quad}$

$2 + 2 = \underline{\quad}$

$7 + 7 = \underline{\quad}$

$6 + 6 = \underline{\quad}$

H) $5 + 5 = \underline{\quad}$

$6 + 6 = \underline{\quad}$

$4 + 4 = \underline{\quad}$

$8 + 8 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 25 (Doubles Facts)

Add.

A) $7 + 7 = \underline{\quad}$

$6 + 6 = \underline{\quad}$

$2 + 2 = \underline{\quad}$

$4 + 4 = \underline{\quad}$

B) $5 + 5 = \underline{\quad}$

$7 + 7 = \underline{\quad}$

$4 + 4 = \underline{\quad}$

$3 + 3 = \underline{\quad}$

C) $8 + 8 = \underline{\quad}$

$1 + 1 = \underline{\quad}$

$3 + 3 = \underline{\quad}$

$6 + 6 = \underline{\quad}$

D) $5 + 5 = \underline{\quad}$

$9 + 9 = \underline{\quad}$

$4 + 4 = \underline{\quad}$

$8 + 8 = \underline{\quad}$

E) $30 + 30 = \underline{\quad}$

$20 + 20 = \underline{\quad}$

$70 + 70 = \underline{\quad}$

$60 + 60 = \underline{\quad}$

F) $50 + 50 = \underline{\quad}$

$60 + 60 = \underline{\quad}$

$40 + 40 = \underline{\quad}$

$80 + 80 = \underline{\quad}$

G) $30 + 30 = \underline{\quad}$

$20 + 20 = \underline{\quad}$

$70 + 70 = \underline{\quad}$

$60 + 60 = \underline{\quad}$

H) $50 + 50 = \underline{\quad}$

$60 + 60 = \underline{\quad}$

$40 + 40 = \underline{\quad}$

$25 + 25 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 26 (+9 Shortcut)

Add.

A) $7 + 9 = \underline{\quad}$

$6 + 9 = \underline{\quad}$

$2 + 9 = \underline{\quad}$

$4 + 9 = \underline{\quad}$

B) $5 + 9 = \underline{\quad}$

$7 + 9 = \underline{\quad}$

$9 + 8 = \underline{\quad}$

$9 + 4 = \underline{\quad}$

C) $8 + 9 = \underline{\quad}$

$1 + 9 = \underline{\quad}$

$9 + 8 = \underline{\quad}$

$6 + 9 = \underline{\quad}$

D) $9 + 1 = \underline{\quad}$

$9 + 4 = \underline{\quad}$

$9 + 5 = \underline{\quad}$

$9 + 2 = \underline{\quad}$

E) $9 + 2 = \underline{\quad}$

$9 + 4 = \underline{\quad}$

$7 + 9 = \underline{\quad}$

$9 + 6 = \underline{\quad}$

F) $9 + 7 = \underline{\quad}$

$6 + 9 = \underline{\quad}$

$4 + 9 = \underline{\quad}$

$7 + 9 = \underline{\quad}$

G) $3 + 9 = \underline{\quad}$

$9 + 4 = \underline{\quad}$

$7 + 9 = \underline{\quad}$

$6 + 9 = \underline{\quad}$

H) $9 + 7 = \underline{\quad}$

$6 + 9 = \underline{\quad}$

$9 + 6 = \underline{\quad}$

$9 + 9 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 27 (Doubles plus +1 and +2)

Add.

A) $7 + 8 = \underline{\quad}$

$6 + 7 = \underline{\quad}$

$2 + 3 = \underline{\quad}$

$4 + 5 = \underline{\quad}$

B) $5 + 6 = \underline{\quad}$

$7 + 8 = \underline{\quad}$

$4 + 8 = \underline{\quad}$

$3 + 4 = \underline{\quad}$

C) $8 + 9 = \underline{\quad}$

$1 + 2 = \underline{\quad}$

$7 + 8 = \underline{\quad}$

$6 + 7 = \underline{\quad}$

D) $0 + 1 = \underline{\quad}$

$3 + 4 = \underline{\quad}$

$4 + 5 = \underline{\quad}$

$1 + 2 = \underline{\quad}$

E) $0 + 2 = \underline{\quad}$

$2 + 4 = \underline{\quad}$

$7 + 9 = \underline{\quad}$

$4 + 6 = \underline{\quad}$

F) $5 + 7 = \underline{\quad}$

$6 + 8 = \underline{\quad}$

$4 + 6 = \underline{\quad}$

$7 + 9 = \underline{\quad}$

G) $3 + 5 = \underline{\quad}$

$2 + 4 = \underline{\quad}$

$7 + 9 = \underline{\quad}$

$6 + 8 = \underline{\quad}$

H) $5 + 7 = \underline{\quad}$

$6 + 8 = \underline{\quad}$

$4 + 6 = \underline{\quad}$

$9 + 7 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 28 (Easy Subtraction Facts)

Subtract.

A) $8 - 6 = \underline{\quad}$

$6 - 3 = \underline{\quad}$

$2 - 2 = \underline{\quad}$

$6 - 2 = \underline{\quad}$

B) $7 - 5 = \underline{\quad}$

$7 - 4 = \underline{\quad}$

$6 - 3 = \underline{\quad}$

$3 - 2 = \underline{\quad}$

C) $5 - 3 = \underline{\quad}$

$8 - 6 = \underline{\quad}$

$5 - 1 = \underline{\quad}$

$2 - 1 = \underline{\quad}$

D) $6 - 5 = \underline{\quad}$

$7 - 5 = \underline{\quad}$

$5 - 4 = \underline{\quad}$

$7 - 5 = \underline{\quad}$

E) $9 - 5 = \underline{\quad}$

$9 - 9 = \underline{\quad}$

$8 - 7 = \underline{\quad}$

$9 - 6 = \underline{\quad}$

F) $5 - 5 = \underline{\quad}$

$7 - 6 = \underline{\quad}$

$9 - 4 = \underline{\quad}$

$8 - 8 = \underline{\quad}$

G) $9 - 3 = \underline{\quad}$

$9 - 2 = \underline{\quad}$

$9 - 7 = \underline{\quad}$

$9 - 6 = \underline{\quad}$

H) $3 - 2 = \underline{\quad}$

$7 - 6 = \underline{\quad}$

$8 - 4 = \underline{\quad}$

$9 - 8 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 29 (Easy Subtraction Facts)

Subtract.

A) $8 - 2 = \underline{\quad}$

$6 - 4 = \underline{\quad}$

$2 - 1 = \underline{\quad}$

$6 - 5 = \underline{\quad}$

B) $7 - 6 = \underline{\quad}$

$7 - 2 = \underline{\quad}$

$5 - 3 = \underline{\quad}$

$3 - 1 = \underline{\quad}$

C) $7 - 3 = \underline{\quad}$

$5 - 2 = \underline{\quad}$

$6 - 3 = \underline{\quad}$

$5 - 1 = \underline{\quad}$

D) $9 - 5 = \underline{\quad}$

$8 - 5 = \underline{\quad}$

$7 - 4 = \underline{\quad}$

$9 - 5 = \underline{\quad}$

E) $7 - 5 = \underline{\quad}$

$9 - 8 = \underline{\quad}$

$8 - 4 = \underline{\quad}$

$9 - 6 = \underline{\quad}$

F) $9 - 5 = \underline{\quad}$

$7 - 2 = \underline{\quad}$

$7 - 4 = \underline{\quad}$

$8 - 3 = \underline{\quad}$

G) $5 - 3 = \underline{\quad}$

$4 - 2 = \underline{\quad}$

$9 - 7 = \underline{\quad}$

$9 - 1 = \underline{\quad}$

H) $9 - 2 = \underline{\quad}$

$9 - 6 = \underline{\quad}$

$8 - 3 = \underline{\quad}$

$9 - 2 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 30 (Harder Subtraction Facts)

Subtract.

A) $11 - 2 = \underline{\quad}$

$15 - 4 = \underline{\quad}$

$10 - 1 = \underline{\quad}$

$14 - 5 = \underline{\quad}$

B) $15 - 6 = \underline{\quad}$

$18 - 9 = \underline{\quad}$

$17 - 8 = \underline{\quad}$

$16 - 9 = \underline{\quad}$

C) $14 - 6 = \underline{\quad}$

$10 - 2 = \underline{\quad}$

$12 - 3 = \underline{\quad}$

$11 - 9 = \underline{\quad}$

D) $16 - 7 = \underline{\quad}$

$14 - 5 = \underline{\quad}$

$13 - 4 = \underline{\quad}$

$16 - 5 = \underline{\quad}$

E) $10 - 5 = \underline{\quad}$

$14 - 5 = \underline{\quad}$

$13 - 5 = \underline{\quad}$

$11 - 6 = \underline{\quad}$

F) $14 - 5 = \underline{\quad}$

$14 - 7 = \underline{\quad}$

$16 - 8 = \underline{\quad}$

$18 - 9 = \underline{\quad}$

G) $15 - 8 = \underline{\quad}$

$14 - 9 = \underline{\quad}$

$16 - 7 = \underline{\quad}$

$12 - 5 = \underline{\quad}$

H) $15 - 7 = \underline{\quad}$

$12 - 6 = \underline{\quad}$

$14 - 3 = \underline{\quad}$

$13 - 9 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 31 (Harder Subtraction Facts)

Subtract.

A) $11 - 9 = \underline{\quad}$

$15 - 9 = \underline{\quad}$

$10 - 6 = \underline{\quad}$

$14 - 8 = \underline{\quad}$

B) $15 - 9 = \underline{\quad}$

$18 - 9 = \underline{\quad}$

$17 - 9 = \underline{\quad}$

$16 - 7 = \underline{\quad}$

C) $14 - 7 = \underline{\quad}$

$10 - 8 = \underline{\quad}$

$12 - 3 = \underline{\quad}$

$11 - 4 = \underline{\quad}$

D) $16 - 9 = \underline{\quad}$

$14 - 9 = \underline{\quad}$

$13 - 9 = \underline{\quad}$

$16 - 8 = \underline{\quad}$

E) $10 - 7 = \underline{\quad}$

$14 - 8 = \underline{\quad}$

$13 - 5 = \underline{\quad}$

$11 - 4 = \underline{\quad}$

F) $14 - 9 = \underline{\quad}$

$14 - 5 = \underline{\quad}$

$16 - 7 = \underline{\quad}$

$18 - 9 = \underline{\quad}$

G) $15 - 9 = \underline{\quad}$

$14 - 5 = \underline{\quad}$

$16 - 8 = \underline{\quad}$

$12 - 7 = \underline{\quad}$

H) $15 - 9 = \underline{\quad}$

$12 - 6 = \underline{\quad}$

$14 - 7 = \underline{\quad}$

$13 - 8 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 32 (Harder Addition Facts)

Add.

A) $9 + 7 = \underline{\quad}$

$8 + 6 = \underline{\quad}$

$9 + 2 = \underline{\quad}$

$8 + 4 = \underline{\quad}$

B) $8 + 5 = \underline{\quad}$

$7 + 9 = \underline{\quad}$

$4 + 9 = \underline{\quad}$

$8 + 3 = \underline{\quad}$

C) $8 + 9 = \underline{\quad}$

$8 + 1 = \underline{\quad}$

$7 + 8 = \underline{\quad}$

$9 + 6 = \underline{\quad}$

D) $9 + 0 = \underline{\quad}$

$3 + 8 = \underline{\quad}$

$8 + 4 = \underline{\quad}$

$1 + 9 = \underline{\quad}$

E) $9 + 0 = \underline{\quad}$

$2 + 8 = \underline{\quad}$

$7 + 9 = \underline{\quad}$

$9 + 4 = \underline{\quad}$

F) $9 + 5 = \underline{\quad}$

$8 + 6 = \underline{\quad}$

$9 + 4 = \underline{\quad}$

$9 + 8 = \underline{\quad}$

G) $9 + 3 = \underline{\quad}$

$8 + 2 = \underline{\quad}$

$9 + 7 = \underline{\quad}$

$6 + 9 = \underline{\quad}$

H) $9 + 5 = \underline{\quad}$

$9 + 6 = \underline{\quad}$

$8 + 4 = \underline{\quad}$

$8 + 9 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 33 (Harder Addition Facts)

Add.

A) $7 + 8 = \underline{\quad}$

$6 + 9 = \underline{\quad}$

$2 + 8 = \underline{\quad}$

$4 + 9 = \underline{\quad}$

B) $8 + 5 = \underline{\quad}$

$7 + 9 = \underline{\quad}$

$8 + 4 = \underline{\quad}$

$9 + 3 = \underline{\quad}$

C) $8 + 8 = \underline{\quad}$

$1 + 8 = \underline{\quad}$

$7 + 8 = \underline{\quad}$

$6 + 8 = \underline{\quad}$

D) $8 + 0 = \underline{\quad}$

$9 + 3 = \underline{\quad}$

$9 + 4 = \underline{\quad}$

$1 + 8 = \underline{\quad}$

E) $9 + 0 = \underline{\quad}$

$9 + 2 = \underline{\quad}$

$7 + 8 = \underline{\quad}$

$4 + 8 = \underline{\quad}$

F) $5 + 8 = \underline{\quad}$

$9 + 6 = \underline{\quad}$

$8 + 4 = \underline{\quad}$

$8 + 8 = \underline{\quad}$

G) $8 + 3 = \underline{\quad}$

$8 + 2 = \underline{\quad}$

$8 + 7 = \underline{\quad}$

$8 + 6 = \underline{\quad}$

H) $9 + 5 = \underline{\quad}$

$9 + 6 = \underline{\quad}$

$9 + 4 = \underline{\quad}$

$9 + 8 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 34 (Three or More Addends)

Add.

A) $7 + 7 + 3 = \underline{\quad}$

$6 + 6 + 4 = \underline{\quad}$

$2 + 4 + 8 = \underline{\quad}$

$4 + 6 + 8 = \underline{\quad}$

B) $5 + 5 + 8 = \underline{\quad}$

$7 + 7 + 3 = \underline{\quad}$

$4 + 8 + 2 = \underline{\quad}$

$7 + 4 + 3 = \underline{\quad}$

C) $5 + 7 + 3 = \underline{\quad}$

$6 + 9 + 4 = \underline{\quad}$

$6 + 4 + 8 = \underline{\quad}$

$2 + 6 + 8 = \underline{\quad}$

D) $2 + 5 + 8 = \underline{\quad}$

$6 + 7 + 3 = \underline{\quad}$

$8 + 9 + 2 = \underline{\quad}$

$7 + 4 + 6 = \underline{\quad}$

E) $17 + 7 + 3 = \underline{\quad}$

$6 + 16 + 4 = \underline{\quad}$

$2 + 14 + 8 = \underline{\quad}$

$4 + 16 + 8 = \underline{\quad}$

F) $5 + 15 + 8 = \underline{\quad}$

$17 + 7 + 3 = \underline{\quad}$

$4 + 18 + 2 = \underline{\quad}$

$7 + 4 + 13 = \underline{\quad}$

G) $17 + 7 + 43 = \underline{\quad}$

$36 + 6 + 14 = \underline{\quad}$

$12 + 4 + 28 = \underline{\quad}$

$14 + 6 + 18 = \underline{\quad}$

H) $5 + 15 + 58 = \underline{\quad}$

$47 + 7 + 13 = \underline{\quad}$

$4 + 38 + 12 = \underline{\quad}$

$27 + 4 + 13 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 35 (Mixed Facts)

Add or Subtract.

A) $11 - 9 = \underline{\quad}$

$9 + 3 = \underline{\quad}$

$4 + 7 = \underline{\quad}$

$14 - 8 = \underline{\quad}$

B) $15 - 9 = \underline{\quad}$

$4 + 7 = \underline{\quad}$

$17 - 9 = \underline{\quad}$

$8 + 8 = \underline{\quad}$

C) $7 + 7 = \underline{\quad}$

$10 - 8 = \underline{\quad}$

$9 + 3 = \underline{\quad}$

$11 - 4 = \underline{\quad}$

D) $16 - 9 = \underline{\quad}$

$14 - 9 = \underline{\quad}$

$4 + 9 = \underline{\quad}$

$8 + 8 = \underline{\quad}$

E) $10 - 7 = \underline{\quad}$

$6 + 8 = \underline{\quad}$

$8 + 5 = \underline{\quad}$

$11 - 4 = \underline{\quad}$

F) $14 - 9 = \underline{\quad}$

$14 - 5 = \underline{\quad}$

$16 - 7 = \underline{\quad}$

$18 - 9 = \underline{\quad}$

G) $15 - 9 = \underline{\quad}$

$14 - 5 = \underline{\quad}$

$8 + 8 = \underline{\quad}$

$9 + 7 = \underline{\quad}$

H) $15 - 9 = \underline{\quad}$

$6 + 6 = \underline{\quad}$

$7 + 7 = \underline{\quad}$

$13 - 8 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 36 (Mixed Facts)

Add or Subtract.

A) $2 + 9 = \underline{\quad}$

$6 + 9 = \underline{\quad}$

$10 - 6 = \underline{\quad}$

$14 - 8 = \underline{\quad}$

B) $6 + 9 = \underline{\quad}$

$18 - 9 = \underline{\quad}$

$17 - 9 = \underline{\quad}$

$7 + 7 = \underline{\quad}$

C) $14 - 7 = \underline{\quad}$

$10 - 8 = \underline{\quad}$

$12 - 3 = \underline{\quad}$

$11 - 4 = \underline{\quad}$

D) $16 - 9 = \underline{\quad}$

$5 + 9 = \underline{\quad}$

$13 - 9 = \underline{\quad}$

$9 + 8 = \underline{\quad}$

E) $10 - 7 = \underline{\quad}$

$7 + 8 = \underline{\quad}$

$8 + 5 = \underline{\quad}$

$11 - 4 = \underline{\quad}$

F) $5 + 9 = \underline{\quad}$

$9 + 5 = \underline{\quad}$

$16 - 7 = \underline{\quad}$

$18 - 9 = \underline{\quad}$

G) $15 - 9 = \underline{\quad}$

$14 - 5 = \underline{\quad}$

$8 + 8 = \underline{\quad}$

$5 + 7 = \underline{\quad}$

H) $15 - 9 = \underline{\quad}$

$6 + 6 = \underline{\quad}$

$14 - 7 = \underline{\quad}$

$5 + 8 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 37 (Subtraction with Regrouping)

Subtract.

$$\begin{array}{r} 1. \quad 638 \\ - 348 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 532 \\ - 84 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 563 \\ - 294 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 762 \\ - 433 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 595 \\ - 235 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 426 \\ - 274 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 453 \\ - 58 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 742 \\ - 149 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 387 \\ - 278 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 722 \\ - 348 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 559 \\ - 84 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 674 \\ - 277 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 661 \\ - 433 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 596 \\ - 235 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 483 \\ - 274 \\ \hline \end{array}$$

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 38 (Subtraction with Regrouping with 0s)

Subtract.

$$\begin{array}{r} 1. \quad 630 \\ - 348 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 530 \\ - 84 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 460 \\ - 294 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 730 \\ - 433 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 595 \\ - 235 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 420 \\ - 274 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 450 \\ - 58 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 740 \\ - 149 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 380 \\ - 278 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 722 \\ - 348 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 550 \\ - 84 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 674 \\ - 277 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 623 \\ - 433 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 560 \\ - 235 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 460 \\ - 274 \\ \hline \end{array}$$

Computational Fluency

Name: _____ Date: _____ Time: _____

2 – 39 (Subtraction with Regrouping with 0s)

Subtract.

$$\begin{array}{r} 1. \quad 600 \\ - 348 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 500 \\ - 84 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 400 \\ - 294 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 700 \\ - 433 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 500 \\ - 235 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 400 \\ - 274 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 400 \\ - 58 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 700 \\ - 149 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 300 \\ - 278 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 702 \\ - 348 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 500 \\ - 84 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 604 \\ - 277 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 603 \\ - 433 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 500 \\ - 235 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 400 \\ - 274 \\ \hline \end{array}$$

Computational Fluency

Name: _____ Date: _____ Time: _____

Mental Math

1. $5 + 5 = \underline{\quad}$

2. $5 + 6 = \underline{\quad}$

3. $5 + 1 = \underline{\quad}$

4. $4 + 4 = \underline{\quad}$

5. $7 + 7 = \underline{\quad}$

6. $4 + 9 = \underline{\quad}$

7. $6 + 4 = \underline{\quad}$

8. $7 + 7 = \underline{\quad}$

9. $6 + 4 = \underline{\quad}$

10. $7 + 6 = \underline{\quad}$

11. $9 + 5 = \underline{\quad}$

12. $7 + 5 = \underline{\quad}$

13. $8 + 4 = \underline{\quad}$

14. $9 + 6 = \underline{\quad}$

15. $3 + 8 = \underline{\quad}$

16. $9 + 2 = \underline{\quad}$

17. $7 + 9 = \underline{\quad}$

18. $5 + 4 = \underline{\quad}$

19. $3 + 7 = \underline{\quad}$

20. $6 + 7 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

Mental Math

1. $6 - 5 = \underline{\quad}$

2. $5 - 3 = \underline{\quad}$

3. $10 - 4 = \underline{\quad}$

4. $10 - 3 = \underline{\quad}$

5. $8 - 4 = \underline{\quad}$

6. $4 - 2 = \underline{\quad}$

7. $7 - 3 = \underline{\quad}$

8. $9 - 5 = \underline{\quad}$

9. $7 - 5 = \underline{\quad}$

10. $8 - 6 = \underline{\quad}$

11. $10 - 6 = \underline{\quad}$

12. $8 - 7 = \underline{\quad}$

13. $5 - 3 = \underline{\quad}$

14. $10 - 5 = \underline{\quad}$

15. $4 - 3 = \underline{\quad}$

16. $6 - 4 = \underline{\quad}$

17. $9 - 3 = \underline{\quad}$

18. $9 - 2 = \underline{\quad}$

19. $8 - 2 = \underline{\quad}$

20. $8 - 4 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

Mental Math

1. $13 - 7 = \underline{\quad}$

2. $11 - 4 = \underline{\quad}$

3. $16 - 9 = \underline{\quad}$

4. $11 - 6 = \underline{\quad}$

5. $11 - 8 = \underline{\quad}$

6. $13 - 4 = \underline{\quad}$

7. $16 - 7 = \underline{\quad}$

8. $15 - 6 = \underline{\quad}$

9. $15 - 9 = \underline{\quad}$

10. $12 - 3 = \underline{\quad}$

11. $17 - 8 = \underline{\quad}$

12. $18 - 9 = \underline{\quad}$

13. $11 - 9 = \underline{\quad}$

14. $15 - 7 = \underline{\quad}$

15. $14 - 9 = \underline{\quad}$

16. $12 - 8 = \underline{\quad}$

17. $13 - 6 = \underline{\quad}$

18. $12 - 9 = \underline{\quad}$

19. $14 - 6 = \underline{\quad}$

20. $15 - 8 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

Mental Math

1. $580 - 300 = \underline{\quad}$

2. $61 - 2 = \underline{\quad}$

3. $625 + 3 = \underline{\quad}$

4. $298 + 100 = \underline{\quad}$

5. $642 - 30 = \underline{\quad}$

6. $303 - 200 = \underline{\quad}$

7. $82 - 2 = \underline{\quad}$

8. $152 + 200 = \underline{\quad}$

9. $94 + 20 = \underline{\quad}$

10. $82 - 20 = \underline{\quad}$

11. $14 - 10 = \underline{\quad}$

12. $673 - 10 = \underline{\quad}$

13. $54 + 20 = \underline{\quad}$

14. $432 + 10 = \underline{\quad}$

15. $203 - 10 = \underline{\quad}$

16. $760 + 30 = \underline{\quad}$

17. $807 - 3 = \underline{\quad}$

18. $73 - 2 = \underline{\quad}$

19. $541 + 300 = \underline{\quad}$

20. $146 + 200 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

Mental Math

1. $52 + 5 = \underline{\quad}$

2. $38 + 3 = \underline{\quad}$

3. $52 + 6 = \underline{\quad}$

4. $28 + 2 = \underline{\quad}$

5. $25 + 5 = \underline{\quad}$

6. $19 + 8 = \underline{\quad}$

7. $65 + 4 = \underline{\quad}$

8. $18 + 2 = \underline{\quad}$

9. $65 + 8 = \underline{\quad}$

10. $54 + 8 = \underline{\quad}$

11. $56 + 6 = \underline{\quad}$

12. $30 + 60 = \underline{\quad}$

13. $27 + 6 = \underline{\quad}$

14. $80 + 10 = \underline{\quad}$

15. $34 + 6 = \underline{\quad}$

16. $79 + 9 = \underline{\quad}$

17. $24 + 3 = \underline{\quad}$

18. $17 + 7 = \underline{\quad}$

19. $62 + 8 = \underline{\quad}$

20. $73 + 4 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

Mental Math

1. $63 - 7 = \underline{\quad}$

2. $67 - 9 = \underline{\quad}$

3. $80 - 40 = \underline{\quad}$

4. $73 - 9 = \underline{\quad}$

5. $34 - 3 = \underline{\quad}$

6. $60 - 7 = \underline{\quad}$

7. $48 - 5 = \underline{\quad}$

8. $31 - 7 = \underline{\quad}$

9. $70 - 50 = \underline{\quad}$

10. $32 - 9 = \underline{\quad}$

11. $40 - 9 = \underline{\quad}$

12. $70 - 10 = \underline{\quad}$

13. $59 - 6 = \underline{\quad}$

14. $66 - 7 = \underline{\quad}$

15. $39 - 3 = \underline{\quad}$

16. $86 - 7 = \underline{\quad}$

17. $26 - 2 = \underline{\quad}$

18. $10 - 4 = \underline{\quad}$

19. $63 - 4 = \underline{\quad}$

20. $60 - 4 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

Mental Math

1. $4 + 3 = \underline{\quad}$

2. $72 + 4 = \underline{\quad}$

3. $352 + 3 = \underline{\quad}$

4. $18 + 6 = \underline{\quad}$

5. $799 + 1 = \underline{\quad}$

6. $77 + 6 = \underline{\quad}$

7. $371 + 6 = \underline{\quad}$

8. $120 + 50 = \underline{\quad}$

9. $217 + 5 = \underline{\quad}$

10. $8 + 6 = \underline{\quad}$

11. $483 + 70 = \underline{\quad}$

12. $38 + 6 = \underline{\quad}$

13. $17 + 3 = \underline{\quad}$

14. $80 + 20 = \underline{\quad}$

15. $6 + 4 = \underline{\quad}$

16. $880 + 20 = \underline{\quad}$

17. $66 + 4 = \underline{\quad}$

18. $888 + 20 = \underline{\quad}$

19. $759 + 8 = \underline{\quad}$

20. $460 + 90 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

Mental Math

1. $21 - 3 = \underline{\quad}$

2. $41 - 3 = \underline{\quad}$

3. $331 - 3 = \underline{\quad}$

4. $84 - 8 = \underline{\quad}$

5. $44 - 8 = \underline{\quad}$

6. $564 - 8 = \underline{\quad}$

7. $709 - 5 = \underline{\quad}$

8. $479 - 5 = \underline{\quad}$

9. $799 - 5 = \underline{\quad}$

10. $152 - 9 = \underline{\quad}$

11. $532 - 90 = \underline{\quad}$

12. $300 - 60 = \underline{\quad}$

13. $306 - 60 = \underline{\quad}$

14. $432 - 30 = \underline{\quad}$

15. $630 - 50 = \underline{\quad}$

16. $220 - 70 = \underline{\quad}$

17. $120 - 70 = \underline{\quad}$

18. $540 - 80 = \underline{\quad}$

19. $349 - 80 = \underline{\quad}$

20. $672 - 90 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

Mental Math

1. $1 \times 2 = \underline{\quad}$

2. $7 \times 2 = \underline{\quad}$

3. $2 \times 8 = \underline{\quad}$

4. $1 \times 3 = \underline{\quad}$

5. $8 \times 1 = \underline{\quad}$

6. $3 \times 2 = \underline{\quad}$

7. $9 \times 2 = \underline{\quad}$

8. $5 \times 2 = \underline{\quad}$

9. $2 \times 6 = \underline{\quad}$

10. $10 \times 2 = \underline{\quad}$

11. $1 \times 7 = \underline{\quad}$

12. $2 \times 9 = \underline{\quad}$

13. $4 \times 1 = \underline{\quad}$

14. $20 \times 2 = \underline{\quad}$

15. $8 \times 2 = \underline{\quad}$

16. $2 \times 7 = \underline{\quad}$

17. $2 \times 4 = \underline{\quad}$

18. $5 \times 1 = \underline{\quad}$

19. $6 \times 2 = \underline{\quad}$

20. $10 \times 1 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

Mental Math

1. $3 \times 4 = \underline{\quad}$

2. $2 \times 6 = \underline{\quad}$

3. $5 \times 3 = \underline{\quad}$

4. $3 \times 8 = \underline{\quad}$

5. $2 \times 8 = \underline{\quad}$

6. $6 \times 2 = \underline{\quad}$

7. $2 \times 3 = \underline{\quad}$

8. $6 \times 3 = \underline{\quad}$

9. $4 \times 2 = \underline{\quad}$

10. $7 \times 3 = \underline{\quad}$

11. $3 \times 10 = \underline{\quad}$

12. $2 \times 2 = \underline{\quad}$

13. $5 \times 2 = \underline{\quad}$

14. $3 \times 3 = \underline{\quad}$

15. $7 \times 2 = \underline{\quad}$

16. $2 \times 9 = \underline{\quad}$

17. $2 \times 10 = \underline{\quad}$

18. $9 \times 3 = \underline{\quad}$

19. $20 \times 2 = \underline{\quad}$

20. $3 \times 30 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

Mental Math

1. $20 \div 1 = \underline{\quad}$

2. $4 \div 2 = \underline{\quad}$

3. $20 \div 2 = \underline{\quad}$

4. $18 \div 2 = \underline{\quad}$

5. $6 \div 2 = \underline{\quad}$

6. $14 \div 1 = \underline{\quad}$

7. $10 \div 2 = \underline{\quad}$

8. $6 \div 2 = \underline{\quad}$

9. $14 \div 2 = \underline{\quad}$

10. $8 \div 1 = \underline{\quad}$

11. $8 \div 2 = \underline{\quad}$

12. $2 \div 2 = \underline{\quad}$

13. $16 \div 2 = \underline{\quad}$

14. $12 \div 2 = \underline{\quad}$

15. $9 \div 1 = \underline{\quad}$

16. $14 \div 2 = \underline{\quad}$

17. $18 \div 2 = \underline{\quad}$

18. $20 \div 2 = \underline{\quad}$

19. $11 \div 1 = \underline{\quad}$

20. $341 \div 1 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

Mental Math

1. $9 \div 3 = \underline{\quad}$

2. $6 \div 2 = \underline{\quad}$

3. $30 \div 3 = \underline{\quad}$

4. $3 \div 3 = \underline{\quad}$

5. $24 \div 3 = \underline{\quad}$

6. $4 \div 2 = \underline{\quad}$

7. $14 \div 2 = \underline{\quad}$

8. $27 \div 3 = \underline{\quad}$

9. $9 \div 3 = \underline{\quad}$

10. $15 \div 3 = \underline{\quad}$

11. $16 \div 2 = \underline{\quad}$

12. $10 \div 2 = \underline{\quad}$

13. $30 \div 3 = \underline{\quad}$

14. $21 \div 3 = \underline{\quad}$

15. $18 \div 3 = \underline{\quad}$

16. $18 \div 2 = \underline{\quad}$

17. $8 \div 2 = \underline{\quad}$

18. $15 \div 3 = \underline{\quad}$

19. $6 \div 3 = \underline{\quad}$

20. $20 \div 2 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

Mental Math

1. $6 \div 1 = \underline{\quad}$

2. $6 \times 2 = \underline{\quad}$

3. $27 \div 3 = \underline{\quad}$

4. $8 \times 2 = \underline{\quad}$

5. $3 \times 2 = \underline{\quad}$

6. $10 \times 3 = \underline{\quad}$

7. $18 \div 3 = \underline{\quad}$

8. $12 \div 3 = \underline{\quad}$

9. $5 \times 3 = \underline{\quad}$

10. $7 \times 3 = \underline{\quad}$

11. $12 \div 2 = \underline{\quad}$

12. $30 \div 3 = \underline{\quad}$

13. $6 \div 2 = \underline{\quad}$

14. $9 \times 2 = \underline{\quad}$

15. $3 \times 4 = \underline{\quad}$

16. $7 \times 2 = \underline{\quad}$

17. $15 \div 3 = \underline{\quad}$

18. $8 \div 2 = \underline{\quad}$

19. $5 \times 1 = \underline{\quad}$

20. $20 \div 2 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

Mental Math

1. $7 \times 2 = \underline{\quad}$

2. $12 \div 3 = \underline{\quad}$

3. $16 \div 2 = \underline{\quad}$

4. $15 \div 3 = \underline{\quad}$

5. $7 \times 3 = \underline{\quad}$

6. $24 \div 3 = \underline{\quad}$

7. $10 \times 2 = \underline{\quad}$

8. $4 \div 2 = \underline{\quad}$

9. $9 \times 3 = \underline{\quad}$

10. $18 \div 2 = \underline{\quad}$

11. $3 \times 3 = \underline{\quad}$

12. $21 \div 3 = \underline{\quad}$

13. $2 \times 6 = \underline{\quad}$

14. $18 \div 3 = \underline{\quad}$

15. $4 \div 1 = \underline{\quad}$

16. $4 \times 3 = \underline{\quad}$

17. $2 \div 2 = \underline{\quad}$

18. $30 \div 3 = \underline{\quad}$

19. $3 \times 6 = \underline{\quad}$

20. $8 \times 3 = \underline{\quad}$

Computational Fluency

Name: _____ Date: _____ Time: _____

Mental Math

1. $\$8.30 - \$4 = \underline{\hspace{2cm}}$

2. $\$4.15 - \$2 = \underline{\hspace{2cm}}$

3. $\$9.66 - \$5 = \underline{\hspace{2cm}}$

4. $\$1 - 0.75 = \underline{\hspace{2cm}}$

5. $\$6 - 0.45 = \underline{\hspace{2cm}}$

6. $\$8 - 0.23 = \underline{\hspace{2cm}}$

7. $\$10 - 0.65 = \underline{\hspace{2cm}}$

8. $\$10 - \$3.10 = \underline{\hspace{2cm}}$

9. $\$4.70 - \$1.15 = \underline{\hspace{2cm}}$

10. $\$8.80 - \$4.25 = \underline{\hspace{2cm}}$

11. $\$8.88 - \$4.26 = \underline{\hspace{2cm}}$

12. $\$5.70 - \$2.25 = \underline{\hspace{2cm}}$

13. $\$5.90 - \$0.99 = \underline{\hspace{2cm}}$

14. $\$4.55 - \$0.95 = \underline{\hspace{2cm}}$

15. $\$3.21 - \$0.97 = \underline{\hspace{2cm}}$

16. $\$6.35 - \$4.96 = \underline{\hspace{2cm}}$

17. $\$7.05 - \$1.97 = \underline{\hspace{2cm}}$

18. $\$4.95 - \$2.96 = \underline{\hspace{2cm}}$

19. $\$5.98 - \$1.25 = \underline{\hspace{2cm}}$

20. $\$10 - \$4.15 = \underline{\hspace{2cm}}$

Computational Fluency

Name: _____ Date: _____ Time: _____

Mental Math

1. $\$0.65 + \underline{\hspace{2cm}} = \1

2. $\$0.75 + \underline{\hspace{2cm}} = \1

3. $\$3.75 + \underline{\hspace{2cm}} = \10

4. $\$8.15 + \underline{\hspace{2cm}} = \10

5. $\$0.41 + \underline{\hspace{2cm}} = \1

6. $\$5.08 + \underline{\hspace{2cm}} = \10

7. $\$5.30 + \$2 = \underline{\hspace{2cm}}$

8. $\$2.65 + \$6 = \underline{\hspace{2cm}}$

9. $\$6.35 + \$0.40 = \underline{\hspace{2cm}}$

10. $\$3.31 + \$0.52 = \underline{\hspace{2cm}}$

11. $\$2.65 + \$6.10 = \underline{\hspace{2cm}}$

12. $\$3.21 + \$1.17 = \underline{\hspace{2cm}}$

13. $\$6.35 + \$0.99 = \underline{\hspace{2cm}}$

14. $\$5.37 + \$0.95 = \underline{\hspace{2cm}}$

15. $\$2.15 + \$0.97 = \underline{\hspace{2cm}}$

16. $\$7.05 + \$1.97 = \underline{\hspace{2cm}}$

17. $\$3.25 + \$1.75 = \underline{\hspace{2cm}}$

18. $\$4.95 + \$2.96 = \underline{\hspace{2cm}}$

19. $\$5.98 + \$1.25 = \underline{\hspace{2cm}}$

20. $\$3.58 + \$4.15 = \underline{\hspace{2cm}}$