

## Fact Fluency Assessment: Instructions to the Teacher

### Overview

Four times during the school year, starting in November, students spend two Number Corner periods completing a 2-page fact fluency assessment in place of regular workouts. The assessment remains the same throughout the year; this set of instructions applies each time you conduct the assessment.

### Timing

- Toward the end of Unit 2 (November) during Number Corner
- Toward the end of Unit 4 (February or early March) during Number Corner
- Toward the end of Unit 5 (April) during Number Corner
- Toward the end of Unit 6 (late May or early June) during Number Corner

### Skills


- quickly recalling addition facts and related subtraction facts for sums equal to 10
- applying strategies to compute addition and related subtraction facts for sums to 18 (optional)

### You'll need

- Fact Fluency Assessment, pp 1–2 (run a class set of the two pages back-to-back)
- Fact Fluency Class Checklist (run several copies)

### Fact Fluency Assessment: page 1

Page 1 is a set of twenty addition facts to 10. There are ten more addition facts to 18 at the bottom of the sheet. This set of ten facts is NOT part of the assessment. They have been included as an optional feature, and will be addressed on the next page.

NAME _____	DATE _____			
<b>Fact Fluency Assessment</b> page 1 of 2				
1. Add				
$\begin{array}{r} 2 \\ +3 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ +4 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ +2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ +3 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ +1 \\ \hline \end{array}$
$\begin{array}{r} 3 \\ +3 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ +2 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ +1 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ +8 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ +3 \\ \hline \end{array}$
$\begin{array}{r} 6 \\ +4 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ +5 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ +5 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ +3 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ +2 \\ \hline \end{array}$
$\begin{array}{r} 4 \\ +4 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ +6 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ +2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ +4 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ +4 \\ \hline \end{array}$
<hr/>				
 $\begin{array}{r} 10 \\ +4 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ +5 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ +6 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ +8 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ +7 \\ \hline \end{array}$
$\begin{array}{r} 9 \\ +9 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ +9 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ +8 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ +5 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ +9 \\ \hline \end{array}$


We recommend that you conduct this assessment as a timed test. After you have distributed a copy of the sheet to each student, look it over with the class. Explain that you are going to give them 2 minutes to complete as many of the addition facts as they can, not including the set marked with an apple at the bottom of the sheet. After that, you will take a break and give them more time to finish any of the combinations they didn't get to the first time around.

When the students understand what is going to happen, start the 2-minute timing. At the end of 2 minutes, give students a calm and quiet signal to stop, and ask them to draw a vertical line on their paper directly after the last addition problem they completed, so you can see how many they finished in the given time. Model this at the board, if necessary.

Next, take a stretch and wiggle break, and give students another 5 minutes or so to complete any remaining addition combinations. Students who complete the first 20 facts before the rest of the class can be invited to tackle the 10 facts at the bottom of the sheet if appropriate to their skill level. Then collect the papers, and reassure students that if they didn't finish all the combinations, or found some of them difficult, they'll have many opportunities this year to develop more speed and proficiency.

### Fact Fluency Assessment: page 2

Page 2 is a set of twenty subtraction facts to 10. There are ten more subtraction facts to 18 at the bottom of the sheet. This set of ten facts is NOT part of the assessment. They have been included as an optional feature, and will be addressed on the next page. Again, we recommend that you conduct this as a timed test, on a different day than you conducted the addition assessment.

NAME _____	DATE _____			
<b>Fact Fluency Assessment</b> page 2 of 2				
2. Subtract				
$\begin{array}{r} 5 \\ -2 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ -3 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ -2 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ -7 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ -3 \\ \hline \end{array}$
$\begin{array}{r} 4 \\ -2 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ -5 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ -8 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ -5 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ -4 \\ \hline \end{array}$
$\begin{array}{r} 7 \\ -4 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ -4 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ -4 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ -1 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ -3 \\ \hline \end{array}$
$\begin{array}{r} 7 \\ -5 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ -7 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ -2 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ -6 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ -4 \\ \hline \end{array}$
<hr/>				
 $\begin{array}{r} 12 \\ -6 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ -4 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ -10 \\ \hline \end{array}$	$\begin{array}{r} 18 \\ -9 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ -7 \\ \hline \end{array}$
$\begin{array}{r} 16 \\ -8 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ -3 \\ \hline \end{array}$	$\begin{array}{r} 17 \\ -10 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ -9 \\ \hline \end{array}$	$\begin{array}{r} 15 \\ -9 \\ \hline \end{array}$

Before you have the class start, take a minute or two to be certain children understand these are subtraction, not addition combinations. Do a couple of simple subtraction problems on the board with the class as a warm-up before you begin the 2-minute timing.

Next, take short break, and give students another 5 minutes or so to complete any remaining subtraction combinations. Students who complete the first 20 facts before the rest of the class can be invited to tackle the 10 facts at the bottom of the sheet if appropriate to their skill level. Then collect the papers, and reassure students that if they didn't finish all the combinations, or found some of them difficult, they'll have many opportunities this year to develop more speed and proficiency.

### Scoring the Fact Fluency Assessment

You can use the checklist shown below (full size version included in this collection) to compile assessment results and get an overview of students' current level of fluency with addition and subtraction facts to 10.

Grade 1 Fact Fluency Assessment Class Checklist				Students' Names						
Item	P.E.	Points Possible	Support							
1 Quickly recalls addition facts for sums equal to 10 5, 7, 4, 8, 4 6, 10, 10, 9, 9 10, 7, 10, 10, 6 8, 8, 9, 9, 5	1.2.G	20 pts possible (1 pt for each correct answer entered during a 2-minute timing. DO NOT score facts completed correctly after the 2-minute timing.	<b>Support</b> K Supplement Set A4, Addition & Subtraction, Activities 1–8 G1 Practice Workbook, pages 7, 12, 14, 15, 17, 18, 31, 32, 34, 35, 38, 40, 53, 54, 56 G1 Student Support 3C, 6D, and 7C (NC Vol. 1, pg. 122; NC Vol. 2, pgs. 253, 302–303) G1 Work Places 2A, 2B, 2D, 2F, 2G, 3B, 3C, 3E G1 Bridges, Unit 4: Travel Games							
Optional "apple" addition facts at the bottom of page 1 14, 11, 12, 15, 14 18, 17, 16, 15, 19	1.2.F	DO NOT SCORE								
2 Quickly recalls related subtraction facts for sums to 10 3, 3, 1, 0, 2 2, 3, 1, 5, 4 3, 5, 2, 1, 6 2, 3, 7, 2, 6	1.2.G	20 pts possible (1 pt for each correct answer entered during a 2-minute timing. DO NOT score facts completed correctly after the 2-minute timing.								
Optional "apple" subtraction facts at the bottom of page 2 6, 10, 6, 9, 7 8, 10, 7, 4, 6	1.2.F	DO NOT SCORE								
<b>Total Score/Level of Proficiency*</b>		<b>40 pts</b>								

\* Meeting Standard: 30 – 40 points (75–100% correct)  
 Strategic: 10 – 19 points (25–49% correct)      Approaching Standard: 20 – 29 points (50–74% correct)  
 Intensive: 9 points or fewer (24% or less correct)

NAME \_\_\_\_\_

DATE \_\_\_\_\_

**Fact Fluency Assessment** page 1 of 2

1. Add

$$\begin{array}{r} 2 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +4 \\ \hline \end{array}$$



$$\begin{array}{r} 10 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ +9 \\ \hline \end{array}$$

NAME \_\_\_\_\_

DATE \_\_\_\_\_

**Fact Fluency Assessment** page 2 of 2

## 2. Subtract

$$\begin{array}{r} 5 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -5 \\ \hline \end{array}$$

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$$\begin{array}{r} 10 \\ -5 \\ \hline \end{array}$$

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$$\begin{array}{r} 9 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -4 \\ \hline \end{array}$$



$$\begin{array}{r} 12 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ -10 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ -10 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ -9 \\ \hline \end{array}$$

## Grade 1 Fact Fluency Assessment Class Checklist

## Students' Names

Item	M.S.	Points Possible	Support						
1 Quickly recalls addition facts for sums equal to 10 5, 7, 4, 8, 4 6, 10, 10, 9, 9 10, 7, 10, 10, 6 8, 8, 9, 9, 5		20 pts possible (1 pt for each correct answer entered during a 2-minute timing. DO NOT score facts completed correctly after the 2-minute timing.	<b>Support</b> K Supplement Set A4, Addition & Subtraction, Activities 1–8 G1 Practice Workbook, pages 7, 12, 14, 15, 17, 18, 31, 32, 34, 35, 38, 40, 53, 54, 56 G1 Student Support 3C, 6D, and 7C (NC Vol. 1, pg. 122; NC Vol. 2, pgs. 253, 302–303) G1 Work Places 2A, 2B, 2D, 2F, 2G, 3B, 3C, 3E G1 Bridges, Unit 4: Travel Games						
Optional “apple” addition facts at the bottom of page 1 14, 11, 12, 15, 14 18, 17, 16, 15, 19		DO NOT SCORE							
2 Quickly recalls related subtraction facts for sums to 10 3, 3, 1, 0, 2 2, 3, 1, 5, 4 3, 5, 2, 1, 6 2, 3, 7, 2, 6		20 pts possible (1 pt for each correct answer entered during a 2-minute timing. DO NOT score facts completed correctly after the 2-minute timing.							
Optional “apple” subtraction facts at the bottom of page 2 6, 10, 6, 9, 7 8, 10, 7, 4, 6		DO NOT SCORE							
<b>Total Score/Level of Proficiency*</b>		<b>40 pts</b>							

\* Meeting Standard: 30 – 40 points (75–100% correct)  
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