



Diagnostic Assessment 1

Addition and Subtraction Facts to 10

Name: _____

Pretest Date: _____

Post Test Date: _____

Solve.

1 $2 - 0 =$ _____

2 $2 + 3 =$ _____

3 $5 - 2 =$ _____

4 $3 + 6 =$ _____

5 $6 - 4 =$ _____

6 $8 + 1 =$ _____

7 $6 - 1 =$ _____

8 $8 - 3 =$ _____

9 $1 + 9 =$ _____

10 $2 + 2 =$ _____

11 $5 - 5 =$ _____

12 $7 + 2 =$ _____

13 $2 + 8 =$ _____

14 $4 + 5 =$ _____

15 $6 - 0 =$ _____

16 $4 + 4 =$ _____

17 $9 - 3 =$ _____

18 $8 - 4 =$ _____

19 $6 + 4 =$ _____

20 $10 - 5 =$ _____

21 $7 + 3 =$ _____

22 $3 + 4 =$ _____

23 $4 + 0 =$ _____

24 $6 - 3 =$ _____

25 $3 + 3 =$ _____

Diagnostic Assessment 1

Answer Key, Analysis, and Correlations

Item	Skill						
	+ Counting On	+ Doubles	+ Doubles Plus One	+ Recognizing Tens	- Counting Back	- Doubles	-/+ Using Zero
1. $2 - 0$							2
2. $2 + 3$			5				
3. $5 - 2$					3		
4. $3 + 6$	9						
5. $6 - 4$					2		
6. $8 + 1$	9						
7. $6 - 1$					5		
8. $8 - 3$					5		
9. $1 + 9$				10			
10. $2 + 2$		4					
11. $5 - 5$						0	
12. $7 + 2$	9						
13. $2 + 8$				10			
14. $4 + 5$			9				
15. $6 - 0$							6
16. $4 + 4$		8					
17. $9 - 3$					6		
18. $8 - 4$						4	
19. $6 + 4$				10			
20. $10 - 5$						5	

Item	Skill						
	+ Counting On	+ Doubles	+ Doubles Plus One	+ Recognizing Tens	- Counting Back	- Doubles	-/+ Using Zero
21. $7 + 3$				10			
22. $3 + 4$			7				
23. $4 + 0$							4
24. $6 - 3$						3	
25. $3 + 3$		6					
Topic Score	/3	/3	/3	/4	/5	/4	/3
Practice	1a	1b	1b	1c	1e	1f	1h

You can practice additional mixed strategy in 1d, 1g, and 1i.



Diagnostic Assessment 2

Regrouping in Addition and Subtraction to 20

Name: _____

Pretest Date: _____

Post Test Date: _____

Solve.

1 $3 + 9 =$ _____

2 $5 + 6 =$ _____

3 $7 + 8 =$ _____

4 $12 - 6 =$ _____

5 $15 - 9 =$ _____

6 $60 - 13 =$ _____

7 $16 - 7 =$ _____

8 $18 - 9 =$ _____

9 $11 + 19 =$ _____

10 $70 - 12 =$ _____

11 $500 - 15 =$ _____

12 $82 + 9 =$ _____

13 $12 + 18 =$ _____

14 $14 - 5 =$ _____

15 $106 - 28 =$ _____

16 $300 - 24 =$ _____

17 $80 - 45 =$ _____

18 $18 + 24 =$ _____

Diagnostic Assessment 2

Answer Key, Analysis, and Correlations

Item	Skill				
	+	+	-	-	-
	1 Digit with Regrouping	2 Digit with Regrouping	2 Digit with Regrouping	2 Digit Across Zero	3 Digit Across Zero
1. $3 + 9$	12				
2. $5 + 6$	11				
3. $7 + 8$	15				
4. $12 - 6$			6		
5. $15 - 9$			6		
6. $60 - 13$				47	
7. $16 - 7$			9		
8. $18 - 9$			9		
9. $11 + 19$		30			
10. $70 - 12$				58	
11. $500 - 15$					485
12. $82 + 9$		91			
13. $12 + 18$		30			
14. $14 - 5$			9		
15. $106 - 28$					78
16. $300 - 24$					276
17. $80 - 45$				35	
18. $18 + 24$		42			
Topic Score	/3	/4	/5	/3	/3
Practice	2a	2a	2b	2e	2f

You can practice additional fact strategy in 2c and 2d.



Diagnostic Assessment 3

Multiplying by 2s, 5s, and 10s

Name: _____

Pretest Date: _____

Post Test Date: _____

Solve.

1 $2 \times 4 =$ _____

3 $3 \times 2 =$ _____

5 $9 \times 2 =$ _____

7 $5 \times 6 =$ _____

9 $7 \times 10 =$ _____

11 $10 \times 3 =$ _____

13 $5 \times 5 =$ _____

15 $10 \times 4 =$ _____

17 $5 \times 10 =$ _____

19 $6 \times 2 =$ _____

21 $5 \times 4 =$ _____

23 $5 \times 9 =$ _____

2 $5 \times 3 =$ _____

4 $10 \times 6 =$ _____

6 $2 \times 2 =$ _____

8 $2 \times 10 =$ _____

10 $2 \times 7 =$ _____

12 $5 \times 7 =$ _____

14 $10 \times 10 =$ _____

16 $5 \times 2 =$ _____

18 $8 \times 10 =$ _____

20 $8 \times 5 =$ _____

22 $9 \times 10 =$ _____

24 $8 \times 2 =$ _____

Diagnostic Assessment 3

Answer Key, Analysis, and Correlations

Item	Skill		
	$\times 2s$	$\times 5s$	$\times 10s$
1. 2×4	8		
2. 5×3		15	
3. 3×2	6		
4. 10×6			60
5. 9×2	18		
6. 2×2	4		
7. 5×6		30	
8. 2×10			20
9. 7×10			70
10. 2×7	14		
11. 10×3			30
12. 5×7		35	
13. 5×5		25	
14. 10×10			100
15. 10×4			40
16. 5×2		10	
17. 5×10			50
18. 8×10			80
19. 6×2	12		
20. 8×5		40	

Item	Skill		
	$\times 2$ s	$\times 5$ s	$\times 10$ s
21. 5×4		20	
22. 9×10			90
23. 5×9		45	
24. 8×2	16		
Topic Score	/7	/8	/9
Practice	4a - b	4c	4c

You can practice additional mixed strategy in 4d.



Diagnostic Assessment 4

Multiplying by 0s, 1s, 3s, and 4s

Name: _____

Pretest Date: _____

Post Test Date: _____

Solve.

1 $1 \times 4 =$ _____

2 $0 \times 3 =$ _____

3 $3 \times 1 =$ _____

4 $10 \times 0 =$ _____

5 $3 \times 2 =$ _____

6 $4 \times 4 =$ _____

7 $1 \times 6 =$ _____

8 $4 \times 7 =$ _____

9 $0 \times 8 =$ _____

10 $2 \times 1 =$ _____

11 $3 \times 4 =$ _____

12 $1 \times 7 =$ _____

13 $7 \times 0 =$ _____

14 $3 \times 3 =$ _____

15 $6 \times 4 =$ _____

16 $4 \times 2 =$ _____

17 $5 \times 4 =$ _____

18 $1 \times 10 =$ _____

19 $6 \times 0 =$ _____

20 $1 \times 5 =$ _____

21 $5 \times 3 =$ _____

22 $9 \times 0 =$ _____

23 $3 \times 9 =$ _____

24 $8 \times 4 =$ _____

Diagnostic Assessment 4
Answer Key, Analysis, and Correlations

Item	Skill			
	$\times 0s$	$\times 1s$	$\times 3s$	$\times 4s$
1. 1×4		4		
2. 0×3	0			
3. 3×1			3	
4. 10×0	0			
5. 3×2			6	
6. 4×4				16
7. 1×6		6		
8. 4×7				28
9. 0×8	0			
10. 2×1		2		
11. 3×4			12	
12. 1×7		7		
13. 7×0	0			
14. 3×3			9	
15. 6×4				24
16. 4×2				8
17. 5×4				20
18. 1×10		10		
19. 6×0	0			
20. 1×5		5		
21. 5×3			15	

Item	Skill			
	$\times 0\text{s}$	$\times 1\text{s}$	$\times 3\text{s}$	$\times 4\text{s}$
22. 9×0	0			
23. 3×9			27	
24. 8×4				32
Topic Score	/6	/6	/6	/6
Practice	5a	5a	5b	5c

You can practice additional fact strategy in 6c.



Diagnostic Assessment 5

Multiplying by 6s, 7s, 8s, and 9s

Name: _____

Pretest Date: _____

Post Test Date: _____

Solve.

1 $6 \times 9 =$ _____

2 $8 \times 3 =$ _____

3 $6 \times 8 =$ _____

4 $9 \times 8 =$ _____

5 $3 \times 9 =$ _____

6 $6 \times 4 =$ _____

7 $1 \times 6 =$ _____

8 $8 \times 4 =$ _____

9 $1 \times 8 =$ _____

10 $9 \times 7 =$ _____

11 $9 \times 6 =$ _____

12 $8 \times 7 =$ _____

13 $7 \times 1 =$ _____

14 $7 \times 2 =$ _____

15 $2 \times 6 =$ _____

16 $6 \times 3 =$ _____

17 $8 \times 6 =$ _____

18 $3 \times 7 =$ _____

19 $7 \times 6 =$ _____

20 $9 \times 5 =$ _____

21 $5 \times 8 =$ _____

22 $9 \times 1 =$ _____

23 $4 \times 7 =$ _____

24 $7 \times 9 =$ _____

Diagnostic Assessment 5
Answer Key, Analysis, and Correlations

Item	Skill			
	$\times 6s$	$\times 7s$	$\times 8s$	$\times 9s$
1. 6×9	54			
2. 8×3			24	
3. 6×8	48			
4. 9×8				72
5. 3×9				27
6. 6×4	24			
7. 1×6	6			
8. 8×4			32	
9. 1×8			8	
10. 9×7				63
11. 9×6				54
12. 8×7			56	
13. 7×1		7		
14. 7×2		14		
15. 2×6	12			
16. 6×3	18			
17. 8×6			48	
18. 3×7		21		
19. 7×6		42		
20. 9×5				45
21. 5×8			40	

Item	Skill			
	$\times 6s$	$\times 7s$	$\times 8s$	$\times 9s$
22. 9×1				9
23. 4×7		28		
24. 7×9		63		
Topic Score	/6	/6	/6	/6
Practice	6e	6f	6g	6h

You can practice additional fact strategy in 6i and 6j.