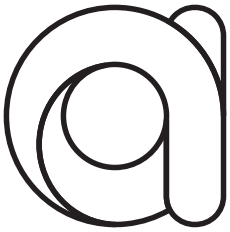

acadience® math

Computation

Grade 4 | Benchmark Assessment

Teacher Key

Published by Acadience Learning Inc.

Available: www.acadiencelearning.org

Acadience® Math / Computation Grade 4
Benchmark 1 / Form A / Teacher Key

# of digits correct in the final answer	score

Scoring Direction
Right to Left
or
Left to Right

1. 527 +320 = 847 (1 | 1, 2 | 2, 3 | 3)	2. 4778 +2242 = 7020 (1 | 1, 2 | 2, 3 | 3, 4 | 4)	3. $8\frac{4}{5} - 6\frac{2}{5} = 2\frac{2}{5}$ (1 | 1, 2 | 2, 3 | 3)	4. 9 x8 = 72 (1 | 1, 2 | 2)	5. 4 ⟌ 573 = 143r1 (1 | 3, 2 | 6, 3 | 10, 4 | 14)	____/26
6. 197 - 74 = 123 (1 | 1, 2 | 2, 3 | 3)	7. $\frac{5}{8} + \frac{2}{8} = \frac{7}{8}$ (1 | 1, 2 | 2)	8. 7273 - 387 = 6886 (1 | 1, 2 | 2, 3 | 3, 4 | 4)	9. 19 x11 = 209 (1 | 2, 2 | 5, 3 | 8)	10. $9\frac{7}{12} - 1\frac{4}{12} = 8\frac{1}{4}$ only (5) OR $\frac{3}{12}$ (1 | 1, 2 | 2, 3 | 3, 4 | 4)	____/22
11. 8 ⟌ 642 = 80r2 (1 | 3, 2 | 6, 3 | 9)	12. 7 ⟌ 49 = 7 (1 | 1)	13. 99 x72 = 7128 (1 | 2, 2 | 5, 3 | 8, 4 | 11)	14. $\frac{1}{4} + \frac{2}{4} = \frac{3}{4}$ (1 | 1, 2 | 2)	15. 526 x 6 = 3156 (1 | 1, 2 | 2, 3 | 3, 4 | 4)	____/27
16. $8\frac{9}{10} - 1\frac{5}{10} = 7\frac{2}{5}$ only (5) OR $\frac{4}{10}$ (1 | 1, 2 | 2, 3 | 3, 4 | 4)	17. $\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$ (1 | 1, 2 | 2)	18. $\frac{9}{12} - \frac{2}{12} = \frac{7}{12}$ (1 | 1, 2 | 2, 3 | 3)	19. 829 x 7 = 5803 (1 | 1, 2 | 2, 3 | 3, 4 | 4)	20. 6 ⟌ 939 = 156r3 (1 | 3, 2 | 6, 3 | 10, 4 | 14)	____/28
21. 3 ⟌ 397 = 132r1 (1 | 3, 2 | 6, 3 | 9, 4 | 12)	22. 65 x23 = 1495 (1 | 2, 2 | 5, 3 | 8, 4 | 11)	23. 2414 - 668 = 1746 (1 | 1, 2 | 2, 3 | 3, 4 | 4)	24. 7568 +1638 = 9206 (1 | 1, 2 | 2, 3 | 3, 4 | 4)	25. 34 x12 = 408 (1 | 2, 2 | 5, 3 | 8)	____/39

Acadience® Math / Computation Grade 4
Benchmark 1 / Form B / Teacher Key

# of digits correct in the final answer	score

Scoring Direction
Right to Left
or
Left to Right

1. 292 +106 = 398 (1 | 1; 2 | 2; 3 | 3)	2. 3674 +3458 = 7132 (1 | 1; 2 | 2; 3 | 3; 4 | 4)	3. $7\frac{2}{4} + 2\frac{1}{4} =$ 3, 9, 4 (1 | 1; 2 | 2; 3 | 3)	4. 8 x7 = 56 (1 | 1; 2 | 2)	5. 96r3 ; 8 ⟌ 771 (1 | 3; 2 | 6; 3 | 10)	____/22
6. 492 -230 = 262 (1 | 1; 2 | 2; 3 | 3)	7. $\frac{6}{8} - \frac{3}{8} =$ 3, 8 (1 | 1; 2 | 2)	8. 5246 - 887 = 4359 (1 | 1; 2 | 2; 3 | 3; 4 | 4)	9. 18 x11 = 198 (1 | 2; 2 | 5; 3 | 8)	10. $3\frac{4}{8} + 2\frac{2}{8} =$ $5\frac{3}{4}$ only (4) OR $\frac{6}{8}$ (1 | 1; 2 | 2; 3 | 3)	____/21
11. 31r4 ; 5 ⟌ 159 (1 | 3; 2 | 6; 3 | 9)	12. 7 ; 9 ⟌ 63 (1 | 1)	13. 84 x32 = 2688 (1 | 2; 2 | 5; 3 | 8; 4 | 11)	14. $\frac{4}{5} - \frac{1}{5} =$ 3, 5 (1 | 1; 2 | 2)	15. 886 x 9 = 7974 (1 | 1; 2 | 2; 3 | 3; 4 | 4)	____/27
16. $3\frac{2}{3} - 1\frac{1}{3} =$ 1, 3 (1 | 1; 2 | 2; 3 | 3)	17. $\frac{1}{3} + \frac{1}{3} =$ 2, 3 (1 | 1; 2 | 2)	18. $\frac{3}{6} + \frac{2}{6} =$ 5, 6 (1 | 1; 2 | 2)	19. 562 x 7 = 3934 (1 | 1; 2 | 2; 3 | 3; 4 | 4)	20. 72r1 ; 7 ⟌ 505 (1 | 3; 2 | 6; 3 | 10)	____/21
21. 206r3 ; 4 ⟌ 827 (1 | 2; 2 | 5; 3 | 8; 4 | 11)	22. 95 x29 = 2755 (1 | 2; 2 | 5; 3 | 8; 4 | 11)	23. 5077 - 988 = 4089 (1 | 1; 2 | 2; 3 | 3; 4 | 4)	24. 3187 +1819 = 5006 (1 | 1; 2 | 2; 3 | 3; 4 | 4)	25. 41 x21 = 861 (1 | 2; 2 | 5; 3 | 8)	____/38

Acadience® Math / Computation Grade 4
Benchmark 2 / Form A / Teacher Key

# of digits correct in the final answer	score

Scoring Direction
Right to Left
or
Left to Right

1. 332 +166 = 498 (1 2 3 | 1 2 3)	2. 5822 +1298 = 7120 (1 2 3 4 | 1 2 3 4)	3. $9\frac{2}{3} - 3\frac{1}{3} = 6\frac{1}{3}$ (1 2 3 | 1 2 3)	4. 9 x8 = 72 (1 2 | 1 2)	5. 3⟌134 = 44r2 (1 2 3 | 3 6 10)	____/22
6. 236 -133 = 103 (1 2 3 | 1 2 3)	7. $\frac{5}{8} + \frac{2}{8} = \frac{7}{8}$ (1 2 | 1 2)	8. 1644 - 959 = 685 (1 2 3 | 1 2 3)	9. 96 x11 = 1056 (1 2 3 4 | 2 4 6 9)	10. $8\frac{6}{8} - 7\frac{5}{8} = 1\frac{1}{8}$ (1 2 3 | 1 2 3)	____/20
11. 5⟌599 = 119r4 (1 2 3 4 | 3 6 9 13)	12. 5⟌25 = 5 (1 | 1)	13. 83 x68 = 5644 (1 2 3 4 | 2 5 8 11)	14. $\frac{4}{5} - \frac{3}{5} = \frac{1}{5}$ (1 2 | 1 2)	15. 936 x 5 = 4680 (1 2 3 4 | 1 2 3 4)	____/31
16. $6\frac{3}{4} - 5\frac{2}{4} = 1\frac{1}{4}$ (1 2 3 | 1 2 3)	17. $\frac{3}{4} - \frac{2}{4} = \frac{1}{4}$ (1 2 | 1 2)	18. $\frac{4}{6} - \frac{3}{6} = \frac{1}{6}$ (1 2 | 1 2)	19. 482 x 9 = 4338 (1 2 3 4 | 1 2 3 4)	20. 6⟌473 = 78r5 (1 2 3 | 3 6 10)	____/21
21. 3⟌121 = 40r1 (1 2 3 | 3 6 9)	22. 57 x34 = 1938 (1 2 3 4 | 2 5 8 11)	23. 5576 - 697 = 4879 (1 2 3 4 | 1 2 3 4)	24. 3725 +2897 = 6622 (1 2 3 4 | 1 2 3 4)	25. 13 x23 = 299 (1 2 3 | 2 5 8)	____/36

Acadience® Math / Computation Grade 4
Benchmark 2 / Form B / Teacher Key

# of digits correct in the final answer	score

Scoring Direction
Right to Left
or
Left to Right

1. $645 + 320 = 965$ ← | 1 digit: 1 | 2 digits: 2 | 3 digits: 3

2. $3964 + 3447 = 7411$ ← | 1 digit: 1 | 2 digits: 2 | 3 digits: 3 | 4 digits: 4

3. $7\frac{2}{3} - 6\frac{1}{3} = 1\frac{1}{3}$ | 1 digit: 1 | 2 digits: 2 | 3 digits: 3

4. $9 \times 6 = 54$ ← | 1 digit: 1 | 2 digits: 2

5. $687 \div 5 = 137\text{r}2$ → | 1 digit: 3 | 2 digits: 6 | 3 digits: 10 | 4 digits: 14

____/26

6. $672 - 611 = 61$ ← | 1 digit: 1 | 2 digits: 2

7. $\frac{5}{8} + \frac{1}{8} = \frac{6}{8}$ only (3) OR $\frac{3}{4}$ | 1 digit: 1 | 2 digits: 2

8. $7785 - 996 = 6789$ ← | 1 digit: 1 | 2 digits: 2 | 3 digits: 3 | 4 digits: 4

9. $78 \times 11 = 858$ ← | 1 digit: 2 | 2 digits: 5 | 3 digits: 8

10. $7\frac{4}{8} - 2\frac{2}{8} = 5\frac{2}{8}$ only (4) OR $5\frac{1}{4}$ | 1 digit: 1 | 2 digits: 2 | 3 digits: 3

____/21

11. $189 \div 6 = 31\text{r}3$ → | 1 digit: 3 | 2 digits: 6 | 3 digits: 9

12. $24 \div 6 = 4$ → | 1 digit: 1

13. $34 \times 32 = 1088$ ← | 1 digit: 2 | 2 digits: 4 | 3 digits: 7 | 4 digits: 10

14. $\frac{4}{10} + \frac{1}{10} = \frac{5}{10}$ only (4) OR $\frac{1}{2}$ | 1 digit: 1 | 2 digits: 2 | 3 digits: 3

15. $616 \times 7 = 4312$ ← | 1 digit: 1 | 2 digits: 2 | 3 digits: 3 | 4 digits: 4

____/28

16. $6\frac{2}{4} + 3\frac{1}{4} = 9\frac{3}{4}$ | 1 digit: 1 | 2 digits: 2 | 3 digits: 3

17. $\frac{2}{3} - \frac{1}{3} = \frac{1}{3}$ | 1 digit: 1 | 2 digits: 2

18. $\frac{3}{6} - \frac{2}{6} = \frac{1}{6}$ | 1 digit: 1 | 2 digits: 2

19. $873 \times 6 = 5238$ ← | 1 digit: 1 | 2 digits: 2 | 3 digits: 3 | 4 digits: 4

20. $430 \div 6 = 71\text{r}4$ → | 1 digit: 3 | 2 digits: 6 | 3 digits: 9

____/20

21. $235 \div 2 = 117\text{r}1$ → | 1 digit: 3 | 2 digits: 6 | 3 digits: 9 | 4 digits: 13

22. $89 \times 29 = 2581$ ← | 1 digit: 2 | 2 digits: 5 | 3 digits: 8 | 4 digits: 11

23. $9117 - 459 = 8658$ ← | 1 digit: 1 | 2 digits: 2 | 3 digits: 3 | 4 digits: 4

24. $3667 + 1574 = 5241$ ← | 1 digit: 1 | 2 digits: 2 | 3 digits: 3 | 4 digits: 4

25. $57 \times 11 = 627$ ← | 1 digit: 2 | 2 digits: 5 | 3 digits: 8

____/40

Acadience® Math / Computation Grade 4
Benchmark 3 / Form A / Teacher Key

# of digits correct in the final answer	score

Scoring Direction
Right to Left
or
Left to Right

1. 680 +218 = 898 (1 2 3 | 1 2 3)	2. 4885 +2236 = 7121 (1 2 3 4 | 1 2 3 4)	3. $9\frac{2}{3} - 8\frac{1}{3} = 1\frac{1}{3}$ (1 2 3 | 1 2 3)	4. 9 x6 = 54 (1 2 | 1 2)	5. 888 ÷ 9 = 98r6 (1 2 3 | 3 6 10)	____/22
6. 698 -631 = 67 (1 2 | 1 2)	7. $\frac{5}{8} + \frac{2}{8} = \frac{7}{8}$ (1 2 | 1 2)	8. 4662 - 775 = 3887 (1 2 3 4 | 1 2 3 4)	9. 41 x12 = 492 (1 2 3 | 2 5 8)	10. $4\frac{5}{6} - 3\frac{4}{6} = 1\frac{1}{6}$ (1 2 3 | 1 2 3)	____/19
11. 917 ÷ 9 = 101r8 (1 2 3 4 | 2 4 7 10)	12. 54 ÷ 6 = 9 (1 | 1)	13. 37 x32 = 1184 (1 2 3 4 | 2 4 7 10)	14. $\frac{1}{4} + \frac{2}{4} = \frac{3}{4}$ (1 2 | 1 2)	15. 732 x 7 = 5124 (1 2 3 4 | 1 2 3 4)	____/27
16. $4\frac{1}{4} + 3\frac{1}{4} = 7\frac{1}{2}$ only (4) OR $7\frac{2}{4}$ (1 2 3 | 1 2 3)	17. $\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$ (1 2 | 1 2)	18. $\frac{2}{6} + \frac{1}{6} = \frac{1}{2}$ only (3) OR $\frac{3}{6}$ (1 2 | 1 2)	19. 626 x 9 = 5634 (1 2 3 4 | 1 2 3 4)	20. 775 ÷ 3 = 258r1 (1 2 3 4 | 3 6 10 14)	____/27
21. 802 ÷ 4 = 200r2 (1 2 3 4 | 3 6 9 12)	22. 92 x22 = 2024 (1 2 3 4 | 2 5 8 11)	23. 7641 - 764 = 6877 (1 2 3 4 | 1 2 3 4)	24. 1789 +1632 = 3421 (1 2 3 4 | 1 2 3 4)	25. 57 x11 = 627 (1 2 3 | 2 5 8)	____/39

Acadience® Math / Computation Grade 4
Benchmark 3 / Form B / Teacher Key

# of digits correct in the final answer	score

Scoring Direction
Right to Left
or
Left to Right

1. 882 + 16 = 898

# of digits correct	score
1	1
2	2
3	3

2. 1854 + 1778 = 3632

# of digits correct	score
1	1
2	2
3	3
4	4

3. $5\frac{1}{3} + 1\frac{1}{3} = 6\frac{2}{3}$

# of digits correct	score
1	1
2	2
3	3

4. 9 x 7 = 63

# of digits correct	score
1	1
2	2

5. 4 ⟌ 738 = 184r2

# of digits correct	score
1	3
2	6
3	10
4	14

____/26

6. 672 − 332 = 340

# of digits correct	score
1	1
2	2
3	3

7. $\frac{5}{6} - \frac{2}{6} = \frac{3}{6}$ (1 only (3) OR 2)

# of digits correct	score
1	1
2	2

8. 7126 − 638 = 6488

# of digits correct	score
1	1
2	2
3	3
4	4

9. 79 x 11 = 869

# of digits correct	score
1	2
2	5
3	8

10. $6\frac{5}{8} + 5\frac{2}{8} = 11\frac{7}{8}$

# of digits correct	score
1	1
2	2
3	3
4	4

____/22

11. 2 ⟌ 627 = 313r1

# of digits correct	score
1	3
2	6
3	9
4	12

12. 7 ⟌ 21 = 3

# of digits correct	score
1	1

13. 98 x 48 = 4704

# of digits correct	score
1	2
2	5
3	8
4	11

14. $\frac{1}{4} + \frac{1}{4} = \frac{2}{4}$ (1 only (3) OR 2)

# of digits correct	score
1	1
2	2

15. 253 x 6 = 1518

# of digits correct	score
1	1
2	2
3	3
4	4

____/31

16. $6\frac{1}{4} + 1\frac{1}{4} = 7\frac{2}{4}$ (1 only (4) OR 2)

# of digits correct	score
1	1
2	2
3	3

17. $\frac{4}{5} - \frac{3}{5} = \frac{1}{5}$

# of digits correct	score
1	1
2	2

18. $\frac{2}{8} + \frac{3}{8} = \frac{5}{8}$

# of digits correct	score
1	1
2	2

19. 613 x 8 = 4904

# of digits correct	score
1	1
2	2
3	3
4	4

20. 9 ⟌ 422 = 46r8

# of digits correct	score
1	3
2	6
3	10

____/22

21. 5 ⟌ 557 = 111r2

# of digits correct	score
1	3
2	6
3	9
4	12

22. 26 x 25 = 650

# of digits correct	score
1	3
2	6
3	9

23. 7233 − 946 = 6287

# of digits correct	score
1	1
2	2
3	3
4	4

24. 6593 + 2508 = 9101

# of digits correct	score
1	1
2	2
3	3
4	4

25. 85 x 11 = 935

# of digits correct	score
1	2
2	5
3	8

____/37