

# acadience® math

## Computation

Grade 5 | Benchmark 1

Teacher Key

Published by Acadience Learning Inc.

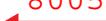
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# Acadience® Math / Computation Grade 5 Benchmark 1 / Form A / Teacher Key

# of digits correct in the final answer | score

**Scoring Direction**  
  
 Right to Left  
 or  
  
 Left to Right

<p>1.</p> $\begin{array}{r} 6787 \\ +1218 \\ \hline 8005 \end{array}$   <table style="margin-left: auto; margin-right: 0;"> <tr><td style="border-right: 1px solid black; padding-right: 5px;">1</td><td style="padding-left: 5px;">1</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">2</td><td style="padding-left: 5px;">2</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">3</td><td style="padding-left: 5px;">3</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">4</td><td style="padding-left: 5px;">4</td></tr> </table>	1	1	2	2	3	3	4	4	<p>2.</p> $\begin{array}{r} 130 \\ \times 21 \\ \hline 2730 \end{array}$   <table style="margin-left: auto; margin-right: 0;"> <tr><td style="border-right: 1px solid black; padding-right: 5px;">1</td><td style="padding-left: 5px;">2</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">2</td><td style="padding-left: 5px;">5</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">3</td><td style="padding-left: 5px;">8</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">4</td><td style="padding-left: 5px;">11</td></tr> </table>	1	2	2	5	3	8	4	11	<p>3.</p> $5 \frac{4}{6} - 2 \frac{1}{2} =$ $3 \frac{1}{6} \text{ or equivalent}$   <table style="margin-left: auto; margin-right: 0;"> <tr><td style="border-right: 1px solid black; padding-right: 5px;">1</td><td style="padding-left: 5px;">3</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">2</td><td style="padding-left: 5px;">6</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">3</td><td style="padding-left: 5px;">9</td></tr> </table>	1	3	2	6	3	9	<p>4.</p> $\begin{array}{r} 725 \\ \times 85 \\ \hline 61625 \end{array}$   <table style="margin-left: auto; margin-right: 0;"> <tr><td style="border-right: 1px solid black; padding-right: 5px;">1</td><td style="padding-left: 5px;">2</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">2</td><td style="padding-left: 5px;">5</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">3</td><td style="padding-left: 5px;">8</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">4</td><td style="padding-left: 5px;">11</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">5</td><td style="padding-left: 5px;">14</td></tr> </table>	1	2	2	5	3	8	4	11	5	14
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<p>5.</p> $86 \overline{)6536}$   <table style="margin-left: auto; margin-right: 0;"> <tr><td style="border-right: 1px solid black; padding-right: 5px;">1</td><td style="padding-left: 5px;">6</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">2</td><td style="padding-left: 5px;">12</td></tr> </table>	1	6	2	12	<p>6.</p> $9 \overline{)816}$   <table style="margin-left: auto; margin-right: 0;"> <tr><td style="border-right: 1px solid black; padding-right: 5px;">1</td><td style="padding-left: 5px;">3</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">2</td><td style="padding-left: 5px;">6</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">3</td><td style="padding-left: 5px;">9</td></tr> </table>	1	3	2	6	3	9	<p>7.</p> $5 \frac{2}{4} - 1 \frac{1}{4} =$ $4 \frac{1}{4}$   <table style="margin-left: auto; margin-right: 0;"> <tr><td style="border-right: 1px solid black; padding-right: 5px;">1</td><td style="padding-left: 5px;">1</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">2</td><td style="padding-left: 5px;">2</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">3</td><td style="padding-left: 5px;">3</td></tr> </table>	1	1	2	2	3	3	<p>8.</p> $\frac{1}{4} + \frac{2}{4} =$ $\frac{3}{4}$   <table style="margin-left: auto; margin-right: 0;"> <tr><td style="border-right: 1px solid black; padding-right: 5px;">1</td><td style="padding-left: 5px;">2</td></tr> </table>	1	2														
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<p>9.</p> $\begin{array}{r} 7118 \\ - 589 \\ \hline 6529 \end{array}$   <table style="margin-left: auto; margin-right: 0;"> <tr><td style="border-right: 1px solid black; padding-right: 5px;">1</td><td style="padding-left: 5px;">1</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">2</td><td style="padding-left: 5px;">2</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">3</td><td style="padding-left: 5px;">3</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">4</td><td style="padding-left: 5px;">4</td></tr> </table>	1	1	2	2	3	3	4	4	<p>10.</p> $\begin{array}{r} 374 \\ \times 6 \\ \hline 2244 \end{array}$   <table style="margin-left: auto; margin-right: 0;"> <tr><td style="border-right: 1px solid black; padding-right: 5px;">1</td><td style="padding-left: 5px;">1</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">2</td><td style="padding-left: 5px;">2</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">3</td><td style="padding-left: 5px;">3</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">4</td><td style="padding-left: 5px;">4</td></tr> </table>	1	1	2	2	3	3	4	4	<p>11.</p> $23 \overline{)575}$   <table style="margin-left: auto; margin-right: 0;"> <tr><td style="border-right: 1px solid black; padding-right: 5px;">1</td><td style="padding-left: 5px;">5</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">2</td><td style="padding-left: 5px;">11</td></tr> </table>	1	5	2	11	<p>12.</p> $\frac{6}{10} + \frac{3}{8} =$ $\frac{39}{40} \text{ or equivalent}$   <table style="margin-left: auto; margin-right: 0;"> <tr><td style="border-right: 1px solid black; padding-right: 5px;">1</td><td style="padding-left: 5px;">2</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">2</td><td style="padding-left: 5px;">4</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">3</td><td style="padding-left: 5px;">6</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">4</td><td style="padding-left: 5px;">8</td></tr> </table>	1	2	2	4	3	6	4	8				
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<p>13.</p> $34 \overline{)1700}$   <table style="margin-left: auto; margin-right: 0;"> <tr><td style="border-right: 1px solid black; padding-right: 5px;">1</td><td style="padding-left: 5px;">4</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">2</td><td style="padding-left: 5px;">9</td></tr> </table>	1	4	2	9	<p>14.</p> $\begin{array}{r} 893 \\ \times 11 \\ \hline 9823 \end{array}$   <table style="margin-left: auto; margin-right: 0;"> <tr><td style="border-right: 1px solid black; padding-right: 5px;">1</td><td style="padding-left: 5px;">2</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">2</td><td style="padding-left: 5px;">5</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">3</td><td style="padding-left: 5px;">8</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">4</td><td style="padding-left: 5px;">11</td></tr> </table>	1	2	2	5	3	8	4	11	<p>15.</p> $6 \frac{1}{2} + 3 \frac{8}{9} =$ $10 \frac{7}{18} \text{ only (12)}$ <p>OR</p> $9 \frac{25}{18} \text{ or equivalent}$   <table style="margin-left: auto; margin-right: 0;"> <tr><td style="border-right: 1px solid black; padding-right: 5px;">1</td><td style="padding-left: 5px;">2</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">2</td><td style="padding-left: 5px;">4</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">3</td><td style="padding-left: 5px;">6</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">4</td><td style="padding-left: 5px;">8</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">5</td><td style="padding-left: 5px;">11</td></tr> </table>	1	2	2	4	3	6	4	8	5	11	<p>16.</p> $\begin{array}{r} 529 \\ \times 82 \\ \hline 43378 \end{array}$   <table style="margin-left: auto; margin-right: 0;"> <tr><td style="border-right: 1px solid black; padding-right: 5px;">1</td><td style="padding-left: 5px;">2</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">2</td><td style="padding-left: 5px;">5</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">3</td><td style="padding-left: 5px;">8</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">4</td><td style="padding-left: 5px;">11</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">5</td><td style="padding-left: 5px;">14</td></tr> </table>	1	2	2	5	3	8	4	11	5	14
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\_\_\_\_/26

\_\_\_\_/27

\_\_\_\_/46

# Acadience® Math / Computation Grade 5 Benchmark 1 / Form B / Teacher Key

# of digits correct in the final answer | score

**Scoring Direction**  
  
 Right to Left  
 or  
  
 Left to Right

1.

$$\begin{array}{r} 4264 \\ +1978 \\ \hline 6242 \end{array}$$



1		1
2		2
3		3
4		4

2.

$$\begin{array}{r} 674 \\ \times 11 \\ \hline 7414 \end{array}$$



1		2
2		5
3		8
4		11

3.

$$7\frac{4}{7} - 3\frac{1}{2} =$$

$$4\frac{1}{14} \text{ or equivalent}$$


1		2
2		4
3		7
4		10

4.

$$\begin{array}{r} 968 \\ \times 54 \\ \hline 52272 \end{array}$$



1		2
2		5
3		8
4		11
5		14

\_\_\_/39

5.

$$54 \overline{)4536}$$


1		6
2		12

6.

$$2 \overline{)891}$$


1		3
2		6
3		9
4		13

7.

$$5\frac{2}{5} + 1\frac{2}{5} =$$

$$6\frac{4}{5}$$


1		1
2		2
3		3

8.

$$\frac{8}{10} - \frac{6}{10} =$$

$$\frac{1}{5} \text{ only (4)}$$

OR

$$\frac{2}{10}$$


1		1
2		2
3		3

\_\_\_/32

9.

$$\begin{array}{r} 8640 \\ - 864 \\ \hline 7776 \end{array}$$



1		1
2		2
3		3
4		4

10.

$$\begin{array}{r} 892 \\ \times 6 \\ \hline 5352 \end{array}$$



1		1
2		2
3		3
4		4

11.

$$58 \overline{)696}$$


1		5
2		11

12.

$$\frac{1}{9} + \frac{7}{12} =$$

$$\frac{25}{36} \text{ or equivalent}$$


1		2
2		4
3		6
4		8

\_\_\_/27

13.

$$69 \overline{)3450}$$


1		4
2		9

14.

$$\begin{array}{r} 583 \\ \times 10 \\ \hline 5830 \end{array}$$



1		2
2		5
3		8
4		11

15.

$$8\frac{2}{4} - 2\frac{3}{5} =$$

$$5\frac{9}{10} \text{ only (14)}$$

OR

$$5\frac{18}{20} \text{ only OR } 5\frac{59}{10} \text{ only (13)}$$

OR

$$4\frac{118}{20} \text{ or equivalent}$$


1		2
2		4
3		6
4		9
5		12

16.

$$\begin{array}{r} 356 \\ \times 45 \\ \hline 16020 \end{array}$$



1		2
2		5
3		8
4		11
5		14

\_\_\_/48