



acadience® math

Computation

Grade 6 | Benchmark 3

Teacher Key

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**Acadience® Math / Computation Grade 6
Benchmark 3 / Form A / Teacher Key**

<p>Scoring Direction</p> <p>← Right to Left or → Left to Right</p>

# of digits correct in the final answer	score
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<p>1.</p> $\begin{array}{r} 32.7 \\ + 17.1 \\ \hline 49.8 \end{array}$ <p align="right"> <table border="1"> <tr><td>1</td><td>1</td></tr> <tr><td>2</td><td>2</td></tr> <tr><td>3</td><td>3</td></tr> <tr><td>4</td><td>4</td></tr> </table> </p>	1	1	2	2	3	3	4	4	<p>2.</p> $\begin{array}{r} 5.68 \\ - 3.46 \\ \hline 2.22 \end{array}$ <p align="right"> <table border="1"> <tr><td>1</td><td>1</td></tr> <tr><td>2</td><td>2</td></tr> <tr><td>3</td><td>3</td></tr> <tr><td>4</td><td>4</td></tr> </table> </p>	1	1	2	2	3	3	4	4	<p>3.</p> $\begin{array}{r} 837 \\ \times 25 \\ \hline 20,925 \end{array}$ <p align="right"> <table border="1"> <tr><td>1</td><td>2</td></tr> <tr><td>2</td><td>5</td></tr> <tr><td>3</td><td>8</td></tr> <tr><td>4</td><td>11</td></tr> <tr><td>5</td><td>14</td></tr> </table> </p>	1	2	2	5	3	8	4	11	5	14	<p>4.</p> $41 \overline{)1230}$ <p align="right"> <table border="1"> <tr><td>1</td><td>4</td></tr> <tr><td>2</td><td>9</td></tr> </table> </p>	1	4	2	9	<p>___/31</p>								
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<p>5.</p> $4 \frac{6}{10} + 5 \frac{1}{5} =$ <p>9 $\frac{4}{5}$ only (9)</p> <p>OR</p> <p>9 $\frac{8}{10}$ or equivalent</p> <p align="right"> <table border="1"> <tr><td>1</td><td>2</td></tr> <tr><td>2</td><td>4</td></tr> <tr><td>3</td><td>6</td></tr> <tr><td>4</td><td>8</td></tr> </table> </p>	1	2	2	4	3	6	4	8	<p>6.</p> $\begin{array}{r} 38.57 \\ + 24.58 \\ \hline 63.15 \end{array}$ <p align="right"> <table border="1"> <tr><td>1</td><td>1</td></tr> <tr><td>2</td><td>2</td></tr> <tr><td>3</td><td>3</td></tr> <tr><td>4</td><td>4</td></tr> <tr><td>5</td><td>5</td></tr> </table> </p>	1	1	2	2	3	3	4	4	5	5	<p>7.</p> $\begin{array}{r} 63.41 \\ - 9.93 \\ \hline 53.48 \end{array}$ <p align="right"> <table border="1"> <tr><td>1</td><td>1</td></tr> <tr><td>2</td><td>2</td></tr> <tr><td>3</td><td>3</td></tr> <tr><td>4</td><td>4</td></tr> <tr><td>5</td><td>5</td></tr> </table> </p>	1	1	2	2	3	3	4	4	5	5	<p>8.</p> $\begin{array}{r} 32.4 \\ \times 1.2 \\ \hline 38.88 \end{array}$ <p align="right"> <table border="1"> <tr><td>1</td><td>2</td></tr> <tr><td>2</td><td>4</td></tr> <tr><td>3</td><td>6</td></tr> <tr><td>4</td><td>9</td></tr> <tr><td>5</td><td>12</td></tr> </table> </p>	1	2	2	4	3	6	4	9	5	12	<p>___/31</p>
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<p>9.</p> $2.7 \overline{)837}$ <p align="right"> <table border="1"> <tr><td>1</td><td>3</td></tr> <tr><td>2</td><td>6</td></tr> <tr><td>3</td><td>10</td></tr> </table> </p>	1	3	2	6	3	10	<p>10.</p> $\begin{array}{r} 6.78 \\ + 1.85 \\ \hline 8.63 \end{array}$ <p align="right"> <table border="1"> <tr><td>1</td><td>1</td></tr> <tr><td>2</td><td>2</td></tr> <tr><td>3</td><td>3</td></tr> <tr><td>4</td><td>4</td></tr> </table> </p>	1	1	2	2	3	3	4	4	<p>11.</p> $\begin{array}{r} 2.6 \\ \times 6 \\ \hline 15.6 \end{array}$ <p align="right"> <table border="1"> <tr><td>1</td><td>1</td></tr> <tr><td>2</td><td>2</td></tr> <tr><td>3</td><td>3</td></tr> <tr><td>4</td><td>4</td></tr> </table> </p>	1	1	2	2	3	3	4	4	<p>12.</p> $21 \overline{)2016}$ <p align="right"> <table border="1"> <tr><td>1</td><td>6</td></tr> <tr><td>2</td><td>12</td></tr> </table> </p>	1	6	2	12	<p>___/30</p>												
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<p>13.</p> $\begin{array}{r} 6.95 \\ \times 7.3 \\ \hline 50.735 \end{array}$ <p align="right"> <table border="1"> <tr><td>1</td><td>2</td></tr> <tr><td>2</td><td>4</td></tr> <tr><td>3</td><td>6</td></tr> <tr><td>4</td><td>9</td></tr> <tr><td>5</td><td>12</td></tr> <tr><td>6</td><td>15</td></tr> </table> </p>	1	2	2	4	3	6	4	9	5	12	6	15	<p>14.</p> $4.7 \overline{)2.82}$ <p align="right"> <table border="1"> <tr><td>1</td><td>3</td></tr> <tr><td>2</td><td>6</td></tr> </table> </p>	1	3	2	6	<p>15.</p> $\begin{array}{r} 5.13 \\ - 2.79 \\ \hline 2.34 \end{array}$ <p align="right"> <table border="1"> <tr><td>1</td><td>1</td></tr> <tr><td>2</td><td>2</td></tr> <tr><td>3</td><td>3</td></tr> <tr><td>4</td><td>4</td></tr> </table> </p>	1	1	2	2	3	3	4	4	<p>16.</p> $3.1 \overline{)31.93}$ <p align="right"> <table border="1"> <tr><td>1</td><td>4</td></tr> <tr><td>2</td><td>7</td></tr> <tr><td>3</td><td>10</td></tr> <tr><td>4</td><td>14</td></tr> </table> </p>	1	4	2	7	3	10	4	14	<p>___/39</p>						
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Scoring Direction



# of digits correct in the final answer	score
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1.

$$\begin{array}{r} 73.5 \\ + 13.4 \\ \hline 86.9 \end{array}$$

1 | 1
2 | 2
3 | 3
4 | 4

2.

$$\begin{array}{r} 6.63 \\ - 3.51 \\ \hline 3.12 \end{array}$$

1 | 1
2 | 2
3 | 3
4 | 4

3.

$$\begin{array}{r} 632 \\ \times 97 \\ \hline 61,304 \end{array}$$

1 | 2
2 | 5
3 | 8
4 | 11
5 | 14

4.

$$36 \overline{) 3960}$$

1 | 4
2 | 8
3 | 13

___/35

5.

$$8 \frac{5}{6} - 5 \frac{4}{12} =$$

$3 \frac{1}{2}$ only (9)

OR

$3 \frac{6}{12}$ or equivalent

1 | 2
2 | 4
3 | 6
4 | 8

6.

$$\begin{array}{r} 17.64 \\ + 12.86 \\ \hline 30.50 \end{array}$$

1 | 1
2 | 2
3 | 3
4 | 4
5 | 5

7.

$$\begin{array}{r} 81.36 \\ - 8.79 \\ \hline 72.57 \end{array}$$

1 | 1
2 | 2
3 | 3
4 | 4
5 | 5

8.

$$\begin{array}{r} 21.3 \\ \times 2.3 \\ \hline 48.99 \end{array}$$

1 | 2
2 | 4
3 | 6
4 | 9
5 | 12

___/31

9.

$$1.4 \overline{) 448}$$

1 | 3
2 | 6
3 | 10

10.

$$\begin{array}{r} 3.56 \\ + 2.54 \\ \hline 6.10 \end{array}$$

1 | 1
2 | 2
3 | 3
4 | 4

11.

$$\begin{array}{r} 3.2 \\ \times 9 \\ \hline 28.8 \end{array}$$

1 | 1
2 | 2
3 | 3
4 | 4

12.

$$39 \overline{) 4446}$$

1 | 5
2 | 10
3 | 16

___/34

13.

$$\begin{array}{r} 2.42 \\ \times 5.7 \\ \hline 13.794 \end{array}$$

1 | 2
2 | 4
3 | 6
4 | 9
5 | 12
6 | 15

14.

$$2.3 \overline{) 2.76}$$

1 | 4
2 | 8
3 | 12

15.

$$\begin{array}{r} 8.15 \\ - 2.67 \\ \hline 5.48 \end{array}$$

1 | 1
2 | 2
3 | 3
4 | 4

16.

$$1.9 \overline{) 76.38}$$

1 | 4
2 | 7
3 | 10
4 | 14

___/45