

Student:

Teacher:

Date:

|  |   |   |  |
|--|---|---|--|
| <b>1</b><br>$15 \times 3 =$<br><br><hr/>                               | <b>2</b><br>$78 \div 13 =$<br><br><hr/>                                       | <b>3</b> Write the fraction in lowest terms<br>$\frac{11}{66} =$<br><br><hr/> | <b>4</b><br>$\begin{array}{r} 19 \\ \times 10 \\ \hline \end{array}$   |
| <b>5</b><br>$\begin{array}{r} 590 \\ + 260 \\ \hline \end{array}$      | <b>6</b> Write the fraction in lowest terms<br>$\frac{5}{15} =$<br><br><hr/>  | <b>7</b><br>$\begin{array}{r} 18 \\ \times 5 \\ \hline \end{array}$           | <b>8</b><br>$\begin{array}{r} 0.66 \\ + 0.11 \\ \hline \end{array}$    |
| <b>9</b><br>$\begin{array}{r} 546 \\ - 362 \\ \hline \end{array}$      | <b>10</b> Write the fraction in lowest terms<br>$\frac{3}{24} =$<br><br><hr/> | <b>11</b><br>$5 \overline{)56}$   | <b>12</b><br>$\begin{array}{r} 281 \\ \times 11 \\ \hline \end{array}$ |
| <b>13</b><br>$\begin{array}{r} 421 \\ \times 42 \\ \hline \end{array}$ | <b>14</b><br>$\begin{array}{r} 4.14 \\ + 1.07 \\ \hline \end{array}$          | <b>15</b><br>$17 \overline{)136}$   | <b>16</b><br>$\begin{array}{r} 5.91 \\ - 3.73 \\ \hline \end{array}$   |
| <b>17</b><br>$\begin{array}{r} 317 \\ \times 41 \\ \hline \end{array}$ | <b>18</b><br>$\begin{array}{r} 0.83 \\ - 0.03 \\ \hline \end{array}$          | <b>19</b><br>$\frac{6}{49} + \frac{7}{49} =$<br><br><hr/>                     | <b>20</b><br>$\begin{array}{r} 148 \\ \times 7 \\ \hline \end{array}$  |

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|   |  |   |  |
|---|--|---|--|
| <b>21</b><br>$4 \overline{)284}$                                      | <b>22</b> Convert to fraction<br>$0.07 =$<br><br>_____         | <b>23</b><br>$5 \overline{)63}$                             | <b>24</b><br>$\begin{array}{r} 11 \\ \times 0.1 \\ \hline \end{array}$ |
| <b>25</b><br>$\begin{array}{r} 332 \\ \times 3 \\ \hline \end{array}$ | <b>26</b><br>$\frac{4}{22} + \frac{3}{22} =$<br><br>_____      | <b>27</b><br>$\frac{36}{48} - \frac{13}{48} =$<br><br>_____ | <b>28</b><br>$40\% \text{ of } 65 =$<br><br>_____                      |
| <b>29</b><br>$\frac{19}{27} - \frac{5}{27} =$<br><br>_____            | <b>30</b><br>$\frac{3}{5} \times \frac{1}{2} =$<br><br>_____   | <b>31</b><br>$8 \overline{)426}$                            | <b>32</b><br>$\begin{array}{r} 45 \\ \times 1.2 \\ \hline \end{array}$ |
| <b>33</b> Convert to decimal<br>$\frac{92}{100} =$<br><br>_____       | <b>34</b><br>$\frac{9}{20} \times \frac{3}{20} =$<br><br>_____ | <b>35</b> Convert to fraction<br>$0.11 =$<br><br>_____      | <b>36</b><br>$3 \overline{)1.2}$                                       |
| <b>37</b> Convert to decimal<br>$\frac{47}{100} =$<br><br>_____       | <b>38</b><br>$90\% \text{ of } 90 =$<br><br>_____              | <b>39</b><br>$50 \overline{)210}$                           |  |

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*Reminder:* There is **no** partial credit when scoring. The answer must be correct **in its entirety** to obtain the correct score value. Note that the answer key provides the correct answers for each problem, but is not exhaustive. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

### Grade 5, Probe 4 Answer Key

| Item No. | Answer                       | Correct | Incorrect | Item No. | Answer  | Correct | Incorrect |
|----------|------------------------------|---------|-----------|----------|---|---------|-----------|
| 1.       | 45                           | 1       | 0         | 21.      | 71  | 1       | 0         |
| 2.       | 6                            | 1       | 0         | 22.      | $\frac{7}{100}$   | 2       | 0         |
| 3.       | $\frac{1}{6}$                | 2       | 0         | 23.      | 12 r3; 12.6; $12\frac{3}{5}$                                    | 3       | 0         |
| 4.       | 190                          | 2       | 0         | 24.      | 1.1   | 3       | 0         |
| 5.       | 850                          | 1       | 0         | 25.      | 996   | 1       | 0         |
| 6.       | $\frac{1}{3}$                | 3       | 0         | 26.      | $\frac{7}{22}$  | 1       | 0         |
| 7.       | 90                           | 1       | 0         | 27.      | $\frac{23}{48}$   | 2       | 0         |
| 8.       | 0.77                         | 1       | 0         | 28.      | 26  | 3       | 0         |
| 9.       | 184                          | 2       | 0         | 29.      | $\frac{14}{27}$   | 1       | 0         |
| 10.      | $\frac{1}{8}$                | 2       | 0         | 30.      | $\frac{3}{10}$  | 3       | 0         |
| 11.      | 11 r1; 11.2; $11\frac{1}{5}$ | 2       | 0         | 31.      | 53 r2; 53.25; $53\frac{2}{8}$ ; $53\frac{1}{4}$                 | 3       | 0         |
| 12.      | 3091                         | 2       | 0         | 32.      | 54  | 3       | 0         |
| 13.      | 17,682                       | 2       | 0         | 33.      | 0.92  | 2       | 0         |
| 14.      | 5.21                         | 1       | 0         | 34.      | $\frac{27}{400}$  | 3       | 0         |
| 15.      | 8                            | 1       | 0         | 35.      | $\frac{11}{100}$  | 1       | 0         |
| 16.      | 2.18                         | 2       | 0         | 36.      | 0.4   | 3       | 0         |
| 17.      | 12,997                       | 2       | 0         | 37.      | 0.47  | 3       | 0         |
| 18.      | 0.8                          | 1       | 0         | 38.      | 81  | 3       | 0         |
| 19.      | $\frac{13}{49}$              | 1       | 0         | 39.      | 4 r10; 4.2; $4\frac{10}{50}$ ; $4\frac{2}{10}$ ; $4\frac{1}{5}$ | 3       | 0         |
| 20.      | 1036                         | 2       | 0         |          |   |         |           |

Subtotal 1

Subtotal 2

**TOTAL = Subtotal 1 + Subtotal 2**