GRADE 2 • MODULE 8
Time, Shapes, and Fractions as Equal Parts of Shapes

Module Overview ............................................................................................................................................. i
Topic A: Attributes of Geometric Shapes ................................................................................................. 8.A.1
Topic B: Composite Shapes and Fraction Concepts ..................................................................................... 8.B.1
Topic C: Halves, Thirds, and Fourths of Circles and Rectangles ............................................................. 8.C.1
Topic D: Application of Fractions to Tell Time ............................................................................................ 8.D.1
Module Assessments .................................................................................................................................. 8.S.1
### Lesson 1: Describe two-dimensional shapes based on attributes.

Date: 1/30/14

<p>| | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8 + 1 =</td>
<td>23</td>
<td>50 + 30 =</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>18 + 1 =</td>
<td>24</td>
<td>58 + 30 =</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>28 + 1 =</td>
<td>25</td>
<td>9 + 3 =</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>58 + 1 =</td>
<td>26</td>
<td>90 + 30 =</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>7 + 2 =</td>
<td>27</td>
<td>97 + 30 =</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>17 + 2 =</td>
<td>28</td>
<td>8 + 4 =</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>27 + 2 =</td>
<td>29</td>
<td>80 + 40 =</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>57 + 2 =</td>
<td>30</td>
<td>83 + 40 =</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>6 + 3 =</td>
<td>31</td>
<td>83 + 4 =</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>36 + 3 =</td>
<td>32</td>
<td>7 + 6 =</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>5 + 4 =</td>
<td>33</td>
<td>70 + 60 =</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>45 + 4 =</td>
<td>34</td>
<td>74 + 60 =</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>30 + 9 =</td>
<td>35</td>
<td>74 + 5 =</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>9 + 2 =</td>
<td>36</td>
<td>73 + 6 =</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>39 + 2 =</td>
<td>37</td>
<td>58 + 7 =</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>50 + 8 =</td>
<td>38</td>
<td>76 + 5 =</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>8 + 4 =</td>
<td>39</td>
<td>30 + 40 =</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>58 + 4 =</td>
<td>40</td>
<td>20 + 70 =</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>50 + 20 =</td>
<td>41</td>
<td>80 + 70 =</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>54 + 20 =</td>
<td>42</td>
<td>34 + 40 =</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>70 + 20 =</td>
<td>43</td>
<td>23 + 50 =</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>76 + 20 =</td>
<td>44</td>
<td>97 + 60 =</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Lesson 1: Describe two-dimensional shapes based on attributes.

**Date:** 1/30/14

<table>
<thead>
<tr>
<th>B Add.</th>
<th>Improvement</th>
<th># Correct</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 7 + 1 =</td>
<td>23</td>
<td>50 + 30 =</td>
</tr>
<tr>
<td>2 17 + 1 =</td>
<td>24</td>
<td>57 + 30 =</td>
</tr>
<tr>
<td>3 27 + 1 =</td>
<td>25</td>
<td>8 + 3 =</td>
</tr>
<tr>
<td>4 47 + 1 =</td>
<td>26</td>
<td>80 + 30 =</td>
</tr>
<tr>
<td>5 6 + 2 =</td>
<td>27</td>
<td>87 + 30 =</td>
</tr>
<tr>
<td>6 16 + 2 =</td>
<td>28</td>
<td>9 + 4 =</td>
</tr>
<tr>
<td>7 26 + 2 =</td>
<td>29</td>
<td>90 + 40 =</td>
</tr>
<tr>
<td>8 46 + 2 =</td>
<td>30</td>
<td>93 + 40 =</td>
</tr>
<tr>
<td>9 5 + 3 =</td>
<td>31</td>
<td>93 + 4 =</td>
</tr>
<tr>
<td>10 75 + 3 =</td>
<td>32</td>
<td>8 + 6 =</td>
</tr>
<tr>
<td>11 5 + 4 =</td>
<td>33</td>
<td>80 + 60 =</td>
</tr>
<tr>
<td>12 75 + 4 =</td>
<td>34</td>
<td>84 + 60 =</td>
</tr>
<tr>
<td>13 40 + 9 =</td>
<td>35</td>
<td>84 + 5 =</td>
</tr>
<tr>
<td>14 9 + 2 =</td>
<td>36</td>
<td>83 + 6 =</td>
</tr>
<tr>
<td>15 49 + 2 =</td>
<td>37</td>
<td>68 + 7 =</td>
</tr>
<tr>
<td>16 60 + 8 =</td>
<td>38</td>
<td>86 + 5 =</td>
</tr>
<tr>
<td>17 8 + 4 =</td>
<td>39</td>
<td>20 + 30 =</td>
</tr>
<tr>
<td>18 68 + 4 =</td>
<td>40</td>
<td>30 + 60 =</td>
</tr>
<tr>
<td>19 50 + 20 =</td>
<td>41</td>
<td>90 + 70 =</td>
</tr>
<tr>
<td>20 56 + 20 =</td>
<td>42</td>
<td>36 + 40 =</td>
</tr>
<tr>
<td>21 70 + 20 =</td>
<td>43</td>
<td>27 + 50 =</td>
</tr>
<tr>
<td>22 74 + 20 =</td>
<td>44</td>
<td>94 + 70 =</td>
</tr>
</tbody>
</table>
# Correct ______

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>98 + 3 =</td>
<td>23</td>
</tr>
<tr>
<td>2</td>
<td>98 + 4 =</td>
<td>24</td>
</tr>
<tr>
<td>3</td>
<td>98 + 5 =</td>
<td>25</td>
</tr>
<tr>
<td>4</td>
<td>98 + 8 =</td>
<td>26</td>
</tr>
<tr>
<td>5</td>
<td>98 + 6 =</td>
<td>27</td>
</tr>
<tr>
<td>6</td>
<td>98 + 9 =</td>
<td>28</td>
</tr>
<tr>
<td>7</td>
<td>98 + 7 =</td>
<td>29</td>
</tr>
<tr>
<td>8</td>
<td>99 + 2 =</td>
<td>30</td>
</tr>
<tr>
<td>9</td>
<td>99 + 3 =</td>
<td>31</td>
</tr>
<tr>
<td>10</td>
<td>99 + 4 =</td>
<td>32</td>
</tr>
<tr>
<td>11</td>
<td>99 + 9 =</td>
<td>33</td>
</tr>
<tr>
<td>12</td>
<td>99 + 6 =</td>
<td>34</td>
</tr>
<tr>
<td>13</td>
<td>99 + 8 =</td>
<td>35</td>
</tr>
<tr>
<td>14</td>
<td>99 + 5 =</td>
<td>36</td>
</tr>
<tr>
<td>15</td>
<td>99 + 7 =</td>
<td>37</td>
</tr>
<tr>
<td>16</td>
<td>98 + 13 =</td>
<td>38</td>
</tr>
<tr>
<td>17</td>
<td>98 + 24 =</td>
<td>39</td>
</tr>
<tr>
<td>18</td>
<td>98 + 35 =</td>
<td>40</td>
</tr>
<tr>
<td>19</td>
<td>98 + 46 =</td>
<td>41</td>
</tr>
<tr>
<td>20</td>
<td>98 + 57 =</td>
<td>42</td>
</tr>
<tr>
<td>21</td>
<td>98 + 68 =</td>
<td>43</td>
</tr>
<tr>
<td>22</td>
<td>98 + 79 =</td>
<td>44</td>
</tr>
</tbody>
</table>
Lesson 2: Build, identify, and analyze two-dimensional shapes with specified attributes.

Date: 1/30/14

<table>
<thead>
<tr>
<th>Add.</th>
<th>Improvement</th>
<th># Correct</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 99 + 2 =</td>
<td>23 98 + 13 =</td>
<td></td>
</tr>
<tr>
<td>2 99 + 3 =</td>
<td>24 98 + 24 =</td>
<td></td>
</tr>
<tr>
<td>3 99 + 4 =</td>
<td>25 98 + 35 =</td>
<td></td>
</tr>
<tr>
<td>4 99 + 8 =</td>
<td>26 98 + 46 =</td>
<td></td>
</tr>
<tr>
<td>5 99 + 6 =</td>
<td>27 98 + 57 =</td>
<td></td>
</tr>
<tr>
<td>6 99 + 9 =</td>
<td>28 98 + 68 =</td>
<td></td>
</tr>
<tr>
<td>7 99 + 5 =</td>
<td>29 98 + 79 =</td>
<td></td>
</tr>
<tr>
<td>8 99 + 7 =</td>
<td>30 25 + 99 =</td>
<td></td>
</tr>
<tr>
<td>9 98 + 3 =</td>
<td>31 35 + 98 =</td>
<td></td>
</tr>
<tr>
<td>10 98 + 4 =</td>
<td>32 36 + 99 =</td>
<td></td>
</tr>
<tr>
<td>11 98 + 5 =</td>
<td>33 46 + 98 =</td>
<td></td>
</tr>
<tr>
<td>12 98 + 9 =</td>
<td>34 57 + 99 =</td>
<td></td>
</tr>
<tr>
<td>13 98 + 7 =</td>
<td>35 67 + 98 =</td>
<td></td>
</tr>
<tr>
<td>14 98 + 8 =</td>
<td>36 78 + 99 =</td>
<td></td>
</tr>
<tr>
<td>15 98 + 6 =</td>
<td>37 88 + 98 =</td>
<td></td>
</tr>
<tr>
<td>16 99 + 12 =</td>
<td>38 99 + 93 =</td>
<td></td>
</tr>
<tr>
<td>17 99 + 23 =</td>
<td>39 95 + 99 =</td>
<td></td>
</tr>
<tr>
<td>18 99 + 34 =</td>
<td>40 99 + 97 =</td>
<td></td>
</tr>
<tr>
<td>19 99 + 45 =</td>
<td>41 92 + 99 =</td>
<td></td>
</tr>
<tr>
<td>20 99 + 56 =</td>
<td>42 98 + 94 =</td>
<td></td>
</tr>
<tr>
<td>21 99 + 67 =</td>
<td>43 96 + 98 =</td>
<td></td>
</tr>
<tr>
<td>22 99 + 78 =</td>
<td>44 98 + 86 =</td>
<td></td>
</tr>
</tbody>
</table>
Lesson 3: Use attributes to draw different polygons including triangles, quadrilaterals, pentagons, and hexagons.

Date: 1/30/14

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>10 + 9 =</td>
</tr>
<tr>
<td>2.</td>
<td>10 + 1 =</td>
</tr>
<tr>
<td>3.</td>
<td>11 + 2 =</td>
</tr>
<tr>
<td>4.</td>
<td>13 + 6 =</td>
</tr>
<tr>
<td>5.</td>
<td>15 + 5 =</td>
</tr>
<tr>
<td>6.</td>
<td>14 + 3 =</td>
</tr>
<tr>
<td>7.</td>
<td>13 + 5 =</td>
</tr>
<tr>
<td>8.</td>
<td>12 + 4 =</td>
</tr>
<tr>
<td>9.</td>
<td>16 + 2 =</td>
</tr>
<tr>
<td>10.</td>
<td>18 + 1 =</td>
</tr>
<tr>
<td>11.</td>
<td>11 + 7 =</td>
</tr>
<tr>
<td>12.</td>
<td>13 + 4 =</td>
</tr>
<tr>
<td>13.</td>
<td>14 + 5 =</td>
</tr>
<tr>
<td>14.</td>
<td>9 + 4 =</td>
</tr>
<tr>
<td>15.</td>
<td>9 + 2 =</td>
</tr>
<tr>
<td>16.</td>
<td>9 + 9 =</td>
</tr>
<tr>
<td>17.</td>
<td>6 + 9 =</td>
</tr>
<tr>
<td>18.</td>
<td>8 + 9 =</td>
</tr>
<tr>
<td>19.</td>
<td>7 + 8 =</td>
</tr>
<tr>
<td>20.</td>
<td>8 + 8 =</td>
</tr>
</tbody>
</table>
Lesson 3: Use attributes to draw different polygons including triangles, quadrilaterals, pentagons, and hexagons.

Date: 1/30/14

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>10 + 8 =</td>
<td>21.</td>
<td>5 + 8 =</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>4 + 10 =</td>
<td>22.</td>
<td>6 + 7 =</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>9 + 10 =</td>
<td>23.</td>
<td>____ + 4 = 12</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>11 + 5 =</td>
<td>24.</td>
<td>____ + 7 = 13</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>13 + 3 =</td>
<td>25.</td>
<td>6 + ____ = 14</td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>12 + 4 =</td>
<td>26.</td>
<td>7 + ____ = 15</td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>16 + 3 =</td>
<td>27.</td>
<td>____ = 9 + 8</td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>15 + ____ = 19</td>
<td>28.</td>
<td>____ = 7 + 5</td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>18 + ____ = 20</td>
<td>29.</td>
<td>____ = 4 + 8</td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td>13 + 5 =</td>
<td>30.</td>
<td>3 + 9 =</td>
<td></td>
</tr>
<tr>
<td>11.</td>
<td>____ = 4 + 16</td>
<td>31.</td>
<td>6 + 7 =</td>
<td></td>
</tr>
<tr>
<td>12.</td>
<td>____ = 6 + 12</td>
<td>32.</td>
<td>8 + ____ = 13</td>
<td></td>
</tr>
<tr>
<td>13.</td>
<td>____ = 14 + 6</td>
<td>33.</td>
<td>____ = 7 + 9</td>
<td></td>
</tr>
<tr>
<td>14.</td>
<td>9 + 3 =</td>
<td>34.</td>
<td>6 + 6 =</td>
<td></td>
</tr>
<tr>
<td>15.</td>
<td>7 + 9 =</td>
<td>35.</td>
<td>____ = 7 + 5</td>
<td></td>
</tr>
<tr>
<td>16.</td>
<td>____ + 4 = 11</td>
<td>36.</td>
<td>____ = 4 + 8</td>
<td></td>
</tr>
<tr>
<td>17.</td>
<td>____ + 6 = 13</td>
<td>37.</td>
<td>20 = 13 + ____</td>
<td></td>
</tr>
<tr>
<td>18.</td>
<td>____ + 5 = 12</td>
<td>38.</td>
<td>18 = ____ + 9</td>
<td></td>
</tr>
<tr>
<td>19.</td>
<td>____ + 8 = 14</td>
<td>39.</td>
<td>16 = ____ + 7</td>
<td></td>
</tr>
<tr>
<td>20.</td>
<td>____ + 9 = 15</td>
<td>40.</td>
<td>20 = 9 + ____</td>
<td></td>
</tr>
</tbody>
</table>
Lesson 3 Core Fluency Practice Set C

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>19 - 9 =</td>
<td>21.</td>
<td>15 - 7 =</td>
</tr>
<tr>
<td>2.</td>
<td>19 - 11 =</td>
<td>22.</td>
<td>18 - 9 =</td>
</tr>
<tr>
<td>3.</td>
<td>17 - 10 =</td>
<td>23.</td>
<td>16 - 8 =</td>
</tr>
<tr>
<td>4.</td>
<td>12 - 2 =</td>
<td>24.</td>
<td>15 - 6 =</td>
</tr>
<tr>
<td>5.</td>
<td>15 - 12 =</td>
<td>25.</td>
<td>17 - 8 =</td>
</tr>
<tr>
<td>6.</td>
<td>18 - 10 =</td>
<td>26.</td>
<td>14 - 6 =</td>
</tr>
<tr>
<td>7.</td>
<td>17 - 5 =</td>
<td>27.</td>
<td>16 - 9 =</td>
</tr>
<tr>
<td>8.</td>
<td>20 - 9 =</td>
<td>28.</td>
<td>13 - 8 =</td>
</tr>
<tr>
<td>9.</td>
<td>14 - 4 =</td>
<td>29.</td>
<td>12 - 5 =</td>
</tr>
<tr>
<td>10.</td>
<td>16 - 13 =</td>
<td>30.</td>
<td>19 - 8 =</td>
</tr>
<tr>
<td>11.</td>
<td>11 - 2 =</td>
<td>31.</td>
<td>17 - 9 =</td>
</tr>
<tr>
<td>12.</td>
<td>12 - 3 =</td>
<td>32.</td>
<td>16 - 7 =</td>
</tr>
<tr>
<td>13.</td>
<td>14 - 2 =</td>
<td>33.</td>
<td>14 - 8 =</td>
</tr>
<tr>
<td>14.</td>
<td>13 - 4 =</td>
<td>34.</td>
<td>15 - 9 =</td>
</tr>
<tr>
<td>15.</td>
<td>11 - 3 =</td>
<td>35.</td>
<td>13 - 7 =</td>
</tr>
<tr>
<td>16.</td>
<td>12 - 4 =</td>
<td>36.</td>
<td>12 - 8 =</td>
</tr>
<tr>
<td>17.</td>
<td>13 - 2 =</td>
<td>37.</td>
<td>15 - 8 =</td>
</tr>
<tr>
<td>18.</td>
<td>14 - 5 =</td>
<td>38.</td>
<td>14 - 9 =</td>
</tr>
<tr>
<td>19.</td>
<td>11 - 4 =</td>
<td>39.</td>
<td>12 - 7 =</td>
</tr>
<tr>
<td>20.</td>
<td>12 - 5 =</td>
<td>40.</td>
<td>11 - 9 =</td>
</tr>
</tbody>
</table>
Lesson 3 Core Fluency Practice Set D

Name ___________________________ Date ____________

<p>| | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>12 - 3 =</td>
<td>21.</td>
<td>13 - 7 =</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>13 - 5 =</td>
<td>22.</td>
<td>15 - 9 =</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>11 - 2 =</td>
<td>23.</td>
<td>18 - 7 =</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>12 - 5 =</td>
<td>24.</td>
<td>14 - 7 =</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>13 - 4 =</td>
<td>25.</td>
<td>17 - 9 =</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>13 - 2 =</td>
<td>26.</td>
<td>12 - 9 =</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>11 - 4 =</td>
<td>27.</td>
<td>13 - 6 =</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>12 - 6 =</td>
<td>28.</td>
<td>15 - 7 =</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>11 - 3 =</td>
<td>29.</td>
<td>16 - 8 =</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td>13 - 6 =</td>
<td>30.</td>
<td>12 - 6 =</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11.</td>
<td>_____ = 11 - 9</td>
<td>31.</td>
<td>_____ = 13 - 9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12.</td>
<td>_____ = 13 - 8</td>
<td>32.</td>
<td>_____ = 17 - 8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13.</td>
<td>_____ = 12 - 7</td>
<td>33.</td>
<td>_____ = 14 - 9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.</td>
<td>_____ = 11 - 6</td>
<td>34.</td>
<td>_____ = 13 - 9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15.</td>
<td>_____ = 13 - 6</td>
<td>35.</td>
<td>_____ = 15 - 8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16.</td>
<td>_____ = 14 - 8</td>
<td>36.</td>
<td>_____ = 18 - 9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>17.</td>
<td>_____ = 11 - 7</td>
<td>37.</td>
<td>_____ = 16 - 7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18.</td>
<td>_____ = 15 - 6</td>
<td>38.</td>
<td>_____ = 20 - 12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>19.</td>
<td>_____ =16 - 9</td>
<td>39.</td>
<td>_____ = 20 - 6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20.</td>
<td>_____ =12 - 8</td>
<td>40.</td>
<td>_____ = 20 - 17</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Lesson 3: Use attributes to draw different polygons including triangles, quadrilaterals, pentagons, and hexagons.

Date: 1/30/14

© 2014 Common Core, Inc. Some rights reserved. commoncore.org

This work is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 Unported License.
Lesson 3 Core Fluency Practice Set E

Name ________________________________ Date ____________

1. \[13 - 4 = \] 
2. \[15 - 8 = \] 
3. \[19 - 5 = \] 
4. \[11 - 7 = \] 
5. \[9 + 6 = \] 
6. \[7 + 8 = \] 
7. \[4 + 7 = \] 
8. \[13 + 6 = \] 
9. \[12 - 8 = \] 
10. \[17 - 9 = \] 
11. \[14 - 6 = \] 
12. \[16 - 7 = \] 
13. \[6 + 8 = \] 
14. \[7 + 6 = \] 
15. \[4 + 9 = \] 
16. \[5 + 7 = \] 
17. \[9 - 5 = \] 
18. \[13 - 7 = \] 
19. \[16 - 9 = \] 
20. \[14 - 8 = \] 
21. \[8 + 4 = \] 
22. \[6 + 7 = \] 
23. \[9 + 9 = \] 
24. \[12 - 6 = \] 
25. \[16 - 7 = \] 
26. \[13 - 5 = \] 
27. \[11 - 8 = \] 
28. \[7 + 9 = \] 
29. \[5 + 7 = \] 
30. \[8 + 7 = \] 
31. \[9 + 8 = \] 
32. \[11 + 9 = \] 
33. \[12 - 3 = \] 
34. \[14 - 5 = \] 
35. \[20 - 13 = \] 
36. \[8 - 5 = \] 
37. \[7 + 4 = \] 
38. \[13 + 5 = \] 
39. \[7 + 9 = \] 
40. \[8 + 11 = \]
Lesson 6: Combine shapes to create a composite shape; create a new shape from composite shapes.

Date: 1/30/14

© 2014 Common Core, Inc. Some rights reserved. commoncore.org

This work is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 Unported License.

A

<table>
<thead>
<tr>
<th>Add or subtract</th>
<th># Correct</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 8 + 3 =</td>
<td>23 8 + 8 =</td>
</tr>
<tr>
<td>2 11 - 3 =</td>
<td>24 16 - 8 =</td>
</tr>
<tr>
<td>3 9 + 2 =</td>
<td>25 9 + 6 =</td>
</tr>
<tr>
<td>4 11 - 2 =</td>
<td>26 15 - 9 =</td>
</tr>
<tr>
<td>5 6 + 5 =</td>
<td>27 9 + 9 =</td>
</tr>
<tr>
<td>6 11 - 6 =</td>
<td>28 18 - 9 =</td>
</tr>
<tr>
<td>7 7 + 4 =</td>
<td>29 7 + 7 =</td>
</tr>
<tr>
<td>8 11 - 7 =</td>
<td>30 14 - 7 =</td>
</tr>
<tr>
<td>9 8 + 4 =</td>
<td>31 8 + 9 =</td>
</tr>
<tr>
<td>10 12 - 4 =</td>
<td>32 17 - 8 =</td>
</tr>
<tr>
<td>11 9 + 3 =</td>
<td>33 7 + 9 =</td>
</tr>
<tr>
<td>12 12 - 3 =</td>
<td>34 16 - 7 =</td>
</tr>
<tr>
<td>13 7 + 5 =</td>
<td>35 19 - 6 =</td>
</tr>
<tr>
<td>14 12 - 7 =</td>
<td>36 6 + 7 =</td>
</tr>
<tr>
<td>15 6 + 6 =</td>
<td>37 17 - 6 =</td>
</tr>
<tr>
<td>16 12 - 6 =</td>
<td>38 11 - 7 =</td>
</tr>
<tr>
<td>17 8 + 6 =</td>
<td>39 7 + 6 =</td>
</tr>
<tr>
<td>18 14 - 8 =</td>
<td>40 13 - 7 =</td>
</tr>
<tr>
<td>19 9 + 4 =</td>
<td>41 19 - 7 =</td>
</tr>
<tr>
<td>20 13 - 9 =</td>
<td>42 3 + 8 =</td>
</tr>
<tr>
<td>21 8 + 7 =</td>
<td>43 5 + 8 =</td>
</tr>
<tr>
<td>22 15 - 8 =</td>
<td>44 18 - 5 =</td>
</tr>
</tbody>
</table>
Lesson 6:
Combine shapes to create a composite shape; create a new shape from composite shapes.
1/30/14

Add or subtract.  Improvement ______  # Correct ______

<p>| | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>23</td>
<td>9 + 6 =</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>24</td>
<td>15 - 9 =</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>25</td>
<td>8 + 8 =</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>26</td>
<td>16 - 8 =</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>27</td>
<td>7 + 7 =</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>28</td>
<td>14 - 7 =</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>29</td>
<td>9 + 9 =</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>30</td>
<td>18 - 9 =</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>31</td>
<td>7 + 9 =</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>32</td>
<td>16 - 9 =</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>33</td>
<td>8 + 9 =</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>34</td>
<td>17 - 9 =</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>35</td>
<td>19 - 7 =</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>36</td>
<td>5 + 8 =</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>37</td>
<td>18 - 5 =</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>38</td>
<td>13 - 8 =</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>39</td>
<td>6 + 7 =</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>40</td>
<td>13 - 6 =</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>41</td>
<td>19 - 6 =</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>42</td>
<td>3 + 9 =</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>43</td>
<td>6 + 9 =</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>44</td>
<td>18 - 6 =</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Lesson 9: Partition circles and rectangles into equal parts, and describe those parts as halves, thirds, or fourths.

Date: 1/30/14

<table>
<thead>
<tr>
<th></th>
<th>Subtract.</th>
<th># Correct</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>5 - 1 =</td>
<td>10 - 2 =</td>
</tr>
<tr>
<td>2</td>
<td>15 - 1 =</td>
<td>11 - 2 =</td>
</tr>
<tr>
<td>3</td>
<td>25 - 1 =</td>
<td>21 - 2 =</td>
</tr>
<tr>
<td>4</td>
<td>75 - 1 =</td>
<td>31 - 2 =</td>
</tr>
<tr>
<td>5</td>
<td>5 - 2 =</td>
<td>51 - 2 =</td>
</tr>
<tr>
<td>6</td>
<td>15 - 2 =</td>
<td>51 - 12 =</td>
</tr>
<tr>
<td>7</td>
<td>25 - 2 =</td>
<td>10 - 5 =</td>
</tr>
<tr>
<td>8</td>
<td>75 - 2 =</td>
<td>11 - 5 =</td>
</tr>
<tr>
<td>9</td>
<td>4 - 1 =</td>
<td>12 - 5 =</td>
</tr>
<tr>
<td>10</td>
<td>40 - 10 =</td>
<td>22 - 5 =</td>
</tr>
<tr>
<td>11</td>
<td>43 - 10 =</td>
<td>32 - 5 =</td>
</tr>
<tr>
<td>12</td>
<td>43 - 20 =</td>
<td>62 - 5 =</td>
</tr>
<tr>
<td>13</td>
<td>43 - 21 =</td>
<td>62 - 15 =</td>
</tr>
<tr>
<td>14</td>
<td>43 - 23 =</td>
<td>72 - 15 =</td>
</tr>
<tr>
<td>15</td>
<td>12 - 2 =</td>
<td>82 - 15 =</td>
</tr>
<tr>
<td>16</td>
<td>62 - 2 =</td>
<td>32 - 15 =</td>
</tr>
<tr>
<td>17</td>
<td>62 - 12 =</td>
<td>10 - 9 =</td>
</tr>
<tr>
<td>18</td>
<td>18 - 8 =</td>
<td>11 - 9 =</td>
</tr>
<tr>
<td>19</td>
<td>78 - 8 =</td>
<td>51 - 9 =</td>
</tr>
<tr>
<td>20</td>
<td>78 - 18 =</td>
<td>51 - 10 =</td>
</tr>
<tr>
<td>21</td>
<td>41 - 11 =</td>
<td>51 - 19 =</td>
</tr>
<tr>
<td>22</td>
<td>92 - 12 =</td>
<td>65 - 46 =</td>
</tr>
</tbody>
</table>
Lesson 9: Partition circles and rectangles into equal parts, and describe those parts as halves, thirds, or fourths.

Date: 1/30/14
Lesson 10: Partition circles and rectangles into equal parts, and describe those parts as halves, thirds, or fourths.

Date: 1/30/14

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Lesson 10: Partition circles and rectangles into equal parts, and describe those parts as halves, thirds, or fourths.

Date: 1/30/14

<table>
<thead>
<tr>
<th>Add.</th>
<th>Improvement</th>
<th># Correct</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>9 + 1 =</td>
<td>23</td>
</tr>
<tr>
<td>2</td>
<td>19 + 1 =</td>
<td>24</td>
</tr>
<tr>
<td>3</td>
<td>39 + 1 =</td>
<td>25</td>
</tr>
<tr>
<td>4</td>
<td>6 + 4 =</td>
<td>26</td>
</tr>
<tr>
<td>5</td>
<td>16 + 4 =</td>
<td>27</td>
</tr>
<tr>
<td>6</td>
<td>36 + 4 =</td>
<td>28</td>
</tr>
<tr>
<td>7</td>
<td>9 + 2 =</td>
<td>29</td>
</tr>
<tr>
<td>8</td>
<td>19 + 2 =</td>
<td>30</td>
</tr>
<tr>
<td>9</td>
<td>29 + 2 =</td>
<td>31</td>
</tr>
<tr>
<td>10</td>
<td>7 + 4 =</td>
<td>32</td>
</tr>
<tr>
<td>11</td>
<td>17 + 4 =</td>
<td>33</td>
</tr>
<tr>
<td>12</td>
<td>27 + 4 =</td>
<td>34</td>
</tr>
<tr>
<td>13</td>
<td>19 + 3 =</td>
<td>35</td>
</tr>
<tr>
<td>14</td>
<td>29 + 3 =</td>
<td>36</td>
</tr>
<tr>
<td>15</td>
<td>17 + 5 =</td>
<td>37</td>
</tr>
<tr>
<td>16</td>
<td>27 + 5 =</td>
<td>38</td>
</tr>
<tr>
<td>17</td>
<td>19 + 4 =</td>
<td>39</td>
</tr>
<tr>
<td>18</td>
<td>29 + 4 =</td>
<td>40</td>
</tr>
<tr>
<td>19</td>
<td>17 + 6 =</td>
<td>41</td>
</tr>
<tr>
<td>20</td>
<td>27 + 6 =</td>
<td>42</td>
</tr>
<tr>
<td>21</td>
<td>18 + 3 =</td>
<td>43</td>
</tr>
<tr>
<td>22</td>
<td>26 + 5 =</td>
<td>44</td>
</tr>
</tbody>
</table>
Lesson 14: Tell time to the nearest five minutes.

<table>
<thead>
<tr>
<th></th>
<th>Add or subtract.</th>
<th></th>
<th># Correct _____</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0 + 5 =</td>
<td>23</td>
<td>10 + 5 =</td>
</tr>
<tr>
<td>2</td>
<td>5 + 5 =</td>
<td>24</td>
<td>15 + 5 =</td>
</tr>
<tr>
<td>3</td>
<td>10 + 5 =</td>
<td>25</td>
<td>20 + 5 =</td>
</tr>
<tr>
<td>4</td>
<td>15 + 5 =</td>
<td>26</td>
<td>25 + 5 =</td>
</tr>
<tr>
<td>5</td>
<td>20 + 5 =</td>
<td>27</td>
<td>30 + 5 =</td>
</tr>
<tr>
<td>6</td>
<td>25 + 5 =</td>
<td>28</td>
<td>35 + 5 =</td>
</tr>
<tr>
<td>7</td>
<td>30 + 5 =</td>
<td>29</td>
<td>40 + 5 =</td>
</tr>
<tr>
<td>8</td>
<td>35 + 5 =</td>
<td>30</td>
<td>45 + 5 =</td>
</tr>
<tr>
<td>9</td>
<td>40 + 5 =</td>
<td>31</td>
<td>0 + 50 =</td>
</tr>
<tr>
<td>10</td>
<td>45 + 5 =</td>
<td>32</td>
<td>50 + 50 =</td>
</tr>
<tr>
<td>11</td>
<td>50 - 5 =</td>
<td>33</td>
<td>50 + 5 =</td>
</tr>
<tr>
<td>12</td>
<td>45 - 5 =</td>
<td>34</td>
<td>55 + 5 =</td>
</tr>
<tr>
<td>13</td>
<td>40 - 5 =</td>
<td>35</td>
<td>60 - 5 =</td>
</tr>
<tr>
<td>14</td>
<td>35 - 5 =</td>
<td>36</td>
<td>55 - 5 =</td>
</tr>
<tr>
<td>15</td>
<td>30 - 5 =</td>
<td>37</td>
<td>60 + 5 =</td>
</tr>
<tr>
<td>16</td>
<td>25 - 5 =</td>
<td>38</td>
<td>65 + 5 =</td>
</tr>
<tr>
<td>17</td>
<td>20 - 5 =</td>
<td>39</td>
<td>70 - 5 =</td>
</tr>
<tr>
<td>18</td>
<td>15 - 5 =</td>
<td>40</td>
<td>65 - 5 =</td>
</tr>
<tr>
<td>19</td>
<td>10 - 5 =</td>
<td>41</td>
<td>100 + 50 =</td>
</tr>
<tr>
<td>20</td>
<td>5 - 5 =</td>
<td>42</td>
<td>150 + 50 =</td>
</tr>
<tr>
<td>21</td>
<td>5 + 0 =</td>
<td>43</td>
<td>200 - 50 =</td>
</tr>
<tr>
<td>22</td>
<td>5 + 5 =</td>
<td>44</td>
<td>150 - 50 =</td>
</tr>
</tbody>
</table>
Lesson 14: Tell time to the nearest five minutes.

Date: 1/30/14

<table>
<thead>
<tr>
<th>Add or subtract</th>
<th>Improvement</th>
<th># Correct</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 5 + 0 =</td>
<td>23</td>
<td>10 + 5 =</td>
</tr>
<tr>
<td>2 5 + 5 =</td>
<td>24</td>
<td>15 + 5 =</td>
</tr>
<tr>
<td>3 5 + 10 =</td>
<td>25</td>
<td>20 + 5 =</td>
</tr>
<tr>
<td>4 5 + 15 =</td>
<td>26</td>
<td>25 + 5 =</td>
</tr>
<tr>
<td>5 5 + 20 =</td>
<td>27</td>
<td>30 + 5 =</td>
</tr>
<tr>
<td>6 5 + 25 =</td>
<td>28</td>
<td>35 + 5 =</td>
</tr>
<tr>
<td>7 5 + 30 =</td>
<td>29</td>
<td>40 + 5 =</td>
</tr>
<tr>
<td>8 5 + 35 =</td>
<td>30</td>
<td>45 + 5 =</td>
</tr>
<tr>
<td>9 5 + 40 =</td>
<td>31</td>
<td>50 + 0</td>
</tr>
<tr>
<td>10 5 + 45 =</td>
<td>32</td>
<td>50 + 50 =</td>
</tr>
<tr>
<td>11 50 - 5 =</td>
<td>33</td>
<td>5 + 50 =</td>
</tr>
<tr>
<td>12 45 - 5 =</td>
<td>34</td>
<td>5 + 55 =</td>
</tr>
<tr>
<td>13 40 - 5 =</td>
<td>35</td>
<td>60 - 5 =</td>
</tr>
<tr>
<td>14 35 - 5 =</td>
<td>36</td>
<td>55 - 5 =</td>
</tr>
<tr>
<td>15 30 - 5 =</td>
<td>37</td>
<td>5 + 60 =</td>
</tr>
<tr>
<td>16 25 - 5 =</td>
<td>38</td>
<td>5 + 65 =</td>
</tr>
<tr>
<td>17 20 - 5 =</td>
<td>39</td>
<td>70 - 5 =</td>
</tr>
<tr>
<td>18 15 - 5 =</td>
<td>40</td>
<td>65 - 5 =</td>
</tr>
<tr>
<td>19 10 - 5 =</td>
<td>41</td>
<td>50 + 100 =</td>
</tr>
<tr>
<td>20 5 - 5 =</td>
<td>42</td>
<td>50 + 150 =</td>
</tr>
<tr>
<td>21 0 + 5 =</td>
<td>43</td>
<td>200 - 50 =</td>
</tr>
<tr>
<td>22 5 + 5 =</td>
<td>44</td>
<td>150 - 50 =</td>
</tr>
</tbody>
</table>
Equal Opportunity Notice
CA BOCES hereby advises students, parents, employees and the general public that it offers employment, programs and educational opportunities, including vocational education opportunities, without regard to gender, race, color, national origin, handicap or any other legally protected status. Inquiries regarding this non-discrimination policy and grievance procedures may be directed to:
Human Resources Director, Cattaraugus-Allegany BOCES, 1825 Windfall Road, Olean, NY 14760; 716-376-8237.