

Grade 6 Worksheet 16b page 48	Grade 6 Worksheet 17a page 50
<p>4.</p> <ul style="list-style-type: none"> <li>1 day 2 hours 10 minutes and 58.1 seconds.</li> </ul> <p>5a. 7 days</p> <p>b. 31, 28/29, 31, 30, 31, 30, 31, 31, 30, 31, 30, 31</p> <p>c. 365 or 366 in a leap year.</p> <p>d.</p> <ul style="list-style-type: none"> <li>8 months</li> <li>34 Weeks and 1 day, 239 days</li> </ul> <p>e.</p> <ul style="list-style-type: none"> <li>7 weeks</li> <li>49 days</li> </ul> <p>f.</p> <ul style="list-style-type: none"> <li>5 months</li> <li>1 week</li> <li>1 day</li> </ul> <p>g. Answers possibly differ.</p>	<p>1a. 60, 3600, 86400</p> <p>b. 60, 1440, 10080, 43200</p> <p>c. 24, 168, 8760</p> <p>d. 7, 365, 36525</p> <p>e. 100, 500, 50 000</p> <p>2a. 120    b. 3300    c. 210</p> <p>d. 615    e. 912</p> <p>3a. 120    b. 2880    c. 1230</p> <p>d. 1815    e. 732</p> <p>4a. 3600    b. 43200    c. 108000</p> <p>d. 16200    e. 72900</p> <p>5.</p> <ul style="list-style-type: none"> <li>7, 14, 17.5, 21, 24.5, 28, 31.5, 35, 45.5, 49</li> <li>16, 336, 420, 504, 588, 672, 756, 840, 924, 1008</li> <li>10080, 15120, 20160, 25200, 30240, 35280, 40320, 45360, 50400, 55400, 60480</li> </ul> <p>6a. 104, 730.5    b. 260, 1826.5</p> <p>c. 520, 3652.5    d. 78, 547.86</p> <p>e. 806, 5661.38</p>
Grade 6 Worksheet 17b page 52	Grade 6 Worksheet 18a page 54
<p>7a. 200    b. 3000    c. 550</p> <p>d. 625    e. 820</p> <p>8a. Answers possibly differ.</p> <p>b. 36</p> <p>c. Answers possibly differ.</p> <p>d. Answers possibly differ.</p> <p>9-10. Answers possibly differ.</p>	<p>1. Learner's own answers by identifying the following shapes.</p> <p>2. Answers possibly differ.</p>
Grade 6 Worksheet 18b page 56	Grade 6 Worksheet 18c page 58
<p>2a.i. Square    ii. Rectangle</p> <p>b.i. A square has four equal sides that are the same in length.</p> <p>ii. A rectangle has 2 longer sides and 2 shorter sides.</p> <p>3. Yes, because it has 3 sides.</p> <p>4. Learner's own answers by marking the sides and angles of triangles below.</p> <p>5.</p> <ul style="list-style-type: none"> <li>Reflex, greater than 180 degrees smaller than 270degrees</li> <li>Revolution, a complete 360 degree turn</li> <li>Straight, 180 degree turn on a straight line</li> </ul>	<p>7. Learner's own answers by completing the table.</p> <p>8. Learner's own answers by comparing the following triangles.</p>

<ul style="list-style-type: none"> <li>• Acute, smaller than 90 degrees</li> <li>• Right angle, equal to 90 degrees</li> <li>• Obtuse, greater than 90 degrees but smaller than 180</li> </ul>	
Grade 6 Worksheet 19a page 60	Grade 6 Worksheet 19b page 62
<p>1. Learner’s own answers by drawing circles according to the following radii and diameters in the list below.</p>	<p>2a. 15mm, 1.5cm    b. 21mm, 2.1cm                  c. 13mm, 1.3cm                  b.</p> <ul style="list-style-type: none"> <li>• 30mm, 3 cm</li> <li>• 42mm, 4.2cm</li> <li>• 26mm, 2.6cm</li> </ul> <p>c. <math>\frac{1}{2}</math>                  d. 2</p> <p>3. Learner’s own answers by following the pictures and draw the pattern with your compass.</p>
Grade 6 Worksheet 20 page 64	Grade 6 Worksheet 21 page 66
<p>1.</p> <ul style="list-style-type: none"> <li>• Red – 63</li> <li>• Yellow – 27</li> <li>• Green – 49</li> <li>• Blue – 60</li> <li>• Purple – 60</li> </ul> <p>2.</p> <ul style="list-style-type: none"> <li>• Areo – 20</li> <li>• Tex – 20</li> <li>• Rolo – 10</li> <li>• Bar one – 10</li> <li>• Lunch Bar – 10</li> <li>• Kit Kat – 30</li> </ul> <p>3. Answers possibly differ.</p>	<p>1a.</p> <ul style="list-style-type: none"> <li>• 21, 21, 22, 22, 22, 23</li> </ul> <p>b. 22                  c. Mode                  d. 21                  e. Median                  f. 21.1                  g.</p> <ul style="list-style-type: none"> <li>• 22, 23</li> <li>• 20, 19</li> </ul> <p>2a. 46, 40                  3a. 70, 62.6                  4a. 56.8, 52                  5a. 130.9, 145                  6a. 62.86, 70</p>
Grade 6 Worksheet 22 page 68	Grade 6 Worksheet 23 page 70
<p>1a. Answers possibly differ.                  b. 36                  c. Bus                  d. Bicycle/train                  e. 9                  f. Answers possibly differ.                  g. Answers possibly differ.                  h. 50%</p> <p>2. Answers possibly differ.                  3a. Answers possibly differ.</p>	<p>Questions 1-2. Answers possibly differ.</p>

<p>b. Yes c. Yes d. Education e. Science and culture f. Answers possibly differ.</p>	
Grade 6 Worksheet 24a page 72	Grade 6 Worksheet 24b page 74
<p>1. Answers possibly differ. 2a. 13, 15, 17 b. 31, 63, 127 c. 16, 10, 7 3. Answers possibly differ. 4. Examples. 5a.ii.  <ul style="list-style-type: none"> <li>• 3, 9, 4, 6, 7, 1</li> </ul> iii.  <ul style="list-style-type: none"> <li>• 35, 89, 44, 62, 71, 17</li> </ul> iv.  <ul style="list-style-type: none"> <li>• <math>x + 9</math></li> </ul> v.  <ul style="list-style-type: none"> <li>• <math>3 \times 9 + 8</math></li> <li>• <math>9 \times 9 + 8</math></li> <li>• <math>4 \times 9 + 8</math></li> <li>• <math>6 \times 9 + 8</math></li> <li>• <math>7 \times 9 + 8</math></li> <li>• <math>1 \times 9 + 8</math></li> </ul> vi.  <ul style="list-style-type: none"> <li>• 17, 77, 42, 56, 63, 21</li> </ul> </p>	<p>b.ii.  <ul style="list-style-type: none"> <li>• 1, 3, 5, 7, 9, 11</li> </ul> iii.  <ul style="list-style-type: none"> <li>• 108, 308, 508, 708, 908, 1108</li> </ul> iv.  <ul style="list-style-type: none"> <li>• <math>X100 + 8</math></li> </ul> v.  <ul style="list-style-type: none"> <li>• <math>1 \times 100 + 8</math></li> <li>• <math>3 \times 100 + 8</math></li> <li>• <math>5 \times 100 + 8</math></li> <li>• <math>7 \times 100 + 8</math></li> <li>• <math>9 \times 100 + 8</math></li> <li>• <math>11 \times 100 + 8</math></li> </ul> vi.  <ul style="list-style-type: none"> <li>• 21, 35, 49, 63, 77, 91</li> </ul> c.ii.  <ul style="list-style-type: none"> <li>• 6, 11, 8, 3, 5, 1</li> </ul> iii.  <ul style="list-style-type: none"> <li>• 45, 80, 59, 24, 38, 10</li> </ul> iv.  <ul style="list-style-type: none"> <li>• <math>x + 7 + 3</math></li> </ul> v.  <ul style="list-style-type: none"> <li>• <math>6 \times 7 + 3</math></li> <li>• <math>11 \times 7 + 3</math></li> <li>• <math>8 \times 7 + 3</math></li> <li>• <math>3 \times 7 + 3</math></li> <li>• <math>5 \times 7 + 3</math></li> <li>• <math>1 \times 7 + 3</math></li> </ul> vi.  <ul style="list-style-type: none"> <li>• 56, 91, 70, 35, 49, 21</li> </ul> d.ii.  <ul style="list-style-type: none"> <li>• 5, 2, 6, 9, 7, 11</li> </ul> iii.  <ul style="list-style-type: none"> <li>• 21, 6, 26, 41, 31, 51</li> </ul> iv.  <ul style="list-style-type: none"> <li>• <math>X5 - 4</math></li> </ul> v.  <ul style="list-style-type: none"> <li>• <math>5 \times 5 - 4</math></li> <li>• <math>2 \times 5 - 4</math></li> </ul> </p>

	<ul style="list-style-type: none"><li>• <math>6 \times 5 - 4</math></li><li>• <math>7 \times 5 - 4</math></li><li>• <math>11 \times 5 - 4</math></li></ul> vi. <ul style="list-style-type: none"><li>• 5, -10, 10, 25, 15, 35</li></ul>
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End of term 1 DBE workbook 2014

Answer guide