

Grade 7 Worksheet 25 page 66	Grade 7 Worksheet 26 page 68
1. Learner's own answers by playing the game and completing the table.	1a. Profit/ 10c    b. Profit/R16 c. Loss/R16      d. Profit/R11,75 e. Loss/36c 2a. 56,25c      b. R1,49 c. R2,03 3a. Loss/R1,70    b. Profit/R10,87
Grade 7 Worksheet 27 page 70	Grade 7 Worksheet 28 page 72
Questions 1-6. Answers possibly differ due to learners having different or no income each month, thus estimating and guessing can be used.	1a. R150          b. R1150 c. R22,16        d. R180 2a. 15%          b. 15% c. R75            d. 12% 3a. $\frac{\text{interest}}{\text{principal} \times \text{rate}}$ b. 3.5 Years c. 5.6 Years d. 8 Years
Grade 7 Worksheet 29 page 74	Grade 7 Worksheet 30a page 76
1a. <ul style="list-style-type: none"> <li>• Lemonade Sold- R37,50</li> <li>• Lemons – R10</li> <li>• Sugar - R5</li> <li>• Cups – R1,50</li> <li>• Commission – R2,25</li> <li>• ETE- R18,75</li> <li>• Net income – R18,75</li> </ul> b. Profit c. 50% d. R4 e. Increase 2. Yes, R2487,50 @ 55,3% profit	1. <ul style="list-style-type: none"> <li>• Square</li> <li>• cube</li> </ul> 2a. $2^2$ b. $7^2$ c. $5^2$ d. $10^2$ e. $3^2$ f. $11^2$ 3a. $5 \times 5$ b. $9 \times 9$ c. $4 \times 4$ d. $2 \times 2$ e. $7 \times 7$ f. $12 \times 12$ 4a. 3    b. 2 5. Colour all the square numbers on the multiplication board. Answers possibly differ. E.g. the square number of an odd number is always odd, the square number of an even number is always even. 6. <ul style="list-style-type: none"> <li>• 2, 4, <math>2^2</math>, 5, <math>3^2</math>, 10, 12, <math>4^2</math>, <math>5^2</math>, <math>6^2</math>, <math>7^2</math>, <math>8^2</math>, <math>9^2</math>, <math>10^2</math></li> </ul> 7. <ul style="list-style-type: none"> <li>• <math>12^2</math>, <math>11^2</math>, <math>10^2</math>, <math>9^2</math>, <math>8^2</math>, <math>7^2</math>, <math>6^2</math>, <math>5^2</math>, <math>4^2</math>, <math>3^2</math>, 8, 7, 6, 5, <math>2^2</math>, 4, 3</li> </ul> 8a. =    b. > c. =    d. > e. >    f. = g. <    h. >

	i. =      j. >
<b>Grade 7 Worksheet 30b page 78</b>	<b>Grade 7 Worksheet 31a page 80</b>
<p>10a. <math>3^3</math>    b. <math>2^3</math>    c. <math>5^3</math>            11a. <math>2 \times 2 \times 2</math>            b. <math>4 \times 4 \times 4</math>            c. <math>1 \times 1 \times 1</math>            12. Answers possibly differ.            13a. 4      b. 3            14. <math>1^3</math>; <math>4^3</math>; <math>9^3</math>; <math>16^3</math>            15. <math>1^3</math>; <math>2^3</math>; <math>3^3</math>; <math>4^3</math>; <math>5^3</math>            16.            16a. &gt;    b. =    c. &lt;    d. =    e. &lt;    f. &gt;            17a. 104    b. 31    c. 164            18a. 191    b. 31    c. 713            19a. 30     b. 88    c. 84</p>	<p>1b.            • <math>4^2 = 16</math>            • <math>\sqrt{16} = 4</math>            c.            • <math>5^2 = 25</math>            • <math>\sqrt{25} = 5</math>            2a. 3    b. 5            3a. 9    b. 1    c. 11            d. 8    e. 6    f. 13            4.            • <math>\sqrt{4}, \sqrt{9}, \sqrt{16}, \sqrt{25}, \sqrt{36}</math>            5.            • <math>\sqrt{2.2}, \sqrt{3.3}, \sqrt{4.4}</math>            6.            • <math>9^2, \sqrt{100}, \sqrt{25}, 2^2, \sqrt{16}</math>            7a. &gt;    b. &gt;            c. &lt;    d. =            e. &gt;    f. &gt;            8a. 1, 1            b. <math>\sqrt[3]{64} = 4</math>            c. <math>\sqrt[3]{729} = 9</math>            d. <math>\sqrt[3]{4096} = 16</math>            9a. 3    b. 2</p>
<b>Grade 7 Worksheet 31b page 82</b>	<b>Grade 7 Worksheet 32 page 84</b>
<p>10a. 4      b. 4      c. 1            11.            • <math>\sqrt[3]{1}, \sqrt[3]{8}, \sqrt[3]{27}, \sqrt[3]{125}</math>            12.            • <math>\sqrt[3]{2.2.2}, \sqrt[3]{3.3.3}, \sqrt[3]{4.4.4}</math>            13.            • <math>1^3, \sqrt[3]{27}, 2^3, 4^3</math>            14a. &gt;      b. &gt;            c. &gt;      d. &lt;            e. &lt;      f. &gt;            15.            • <math>\sqrt[3]{1}, \sqrt[3]{8}, \sqrt[3]{27}, \sqrt[3]{125}</math>            16a. 7      b. 1            c. 19      d. 13            17a. 9      b. 1            c. 10      d. 7            18a. 1      b. 6</p>	<p>1a. 100    b. 1 00 000            c. 10 000    d. 1000            e. 10 000 000    f. 1 000 000            2b. <math>10^3 = 1000</math>            c. <math>10^4 = 10\ 000</math>            d. <math>10^5 = 100\ 000</math>            e. <math>10^6 = 1\ 000\ 000</math>            3. Base – 10    Exponent – 8            4. Learner’s own answers by matching column A with column B            5a. <math>10^9</math>    b. <math>10^5</math>            c. <math>10^6</math>            6a. <math>10 \times 10</math>            b. <math>10 \times 10 \times 10 \times 10</math>            c. <math>10 \times 10 \times 10 \times 10 \times 10</math>            d. <math>10 \times 10 \times 10 \times 10 \times 10 \times 10</math>            e. <math>10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10</math></p>

Errata- Grd 7 Wk 31b

Question 18a- Should be  $\sqrt[3]{216}$

<p>c. 7      d. 2                  19a. 18   b. 80                  c. 96     d. 10</p>	<p>f. <math>10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10</math>                  7. <math>10^5</math>                  8. Answers possibly differ.</p>
<p>Grade 7 Worksheet 33 page 86</p>	<p>Grade 7 Worksheet 34 page 88</p>
<p>1a. <math>10^5</math>    b. <math>10^3</math>                  c. <math>10^7</math>     d. <math>10^4</math>                  e. <math>10^8</math>                  2a. <math>10 \times 10</math>                  b. <math>10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10</math>                  c. <math>10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10</math>                  d. <math>10 \times 10 \times 10 \times 10 \times 10</math>                  e. <math>10 \times 10 \times 10 \times 10 \times 10 \times 10</math>                  3a. 1100    b. 101 0000    c. 101 000                  4a. 10005   b. 9 000 00    c. 7 0000                  5a. 43 000   b. 80 300      c. 1 000 508                  6a. 38 00 100                  b. 7 00 11 000                  c. 25 600                  d. Answers possibly differ.</p>	<p>1a. 148    b. 116                  c. 129    d. 217                  e. 17     f. 33                  2a. 77     b. 242                  c. 58     d. 269                  e. 164    f. 90                  3a. 9      b. 27                  c. 25     d. 121                  e. 1       f. 4                  g. 125    h. 16                  i. 36                  4a. 64     b. 64                  c. 121    d. 81                  e. 125    f. 125                  5. Answers possibly differ.</p>
<p>Grade 7 Worksheet 35 page 90</p>	<p>Grade 7 Worksheet 36 page 92</p>
<p>Grade 7 Worksheet 37a page 94</p>	<p>Grade 7 Worksheet 37b page 96</p>
<p>Grade 7 Worksheet 38a page 98</p>	<p>Grade 7 Worksheet 38b page 100</p>