

Grade 6 Worksheet 1a page 2	Grade 6 Worksheet 1b page 4
1a. 1533 b. 1532 2a. 1123 b. 2145 c. 1231	d. 1428 e. 5478 3a. 4435 b. 6224 c. 4434 d. 3466 e. 8467 4a. 2532 b. 2353
Grade 6 Worksheet 2 page 6	Grade 6 Worksheet 3 page 8
1a. 95618 b. 73491 c. 54310 d. 94087 e. 90009 2b. 3 ; 8 ; 2 ; 0 ; 1 c. 4 ; 0 ; 0 ; 0 ; 2 d. 3 ; 1 ; 4 ; 2 ; 0 e. 9 ; 0 ; 7 ; 0 ; 6 3b. 8 ten thousands + 2 thousands + 2 hundreds + 9 tens + 3 units c. 9 ten thousands + 9 thousands + 9 hundreds + 9 tens + 9 units d. 7 ten thousands + 4 units e. 6 ten thousands + 5 thousands + 5 units 4a. 90 000 + 8000 + 700 + 90 + 5 Ninety eight thousand seven hundred and ninety five. 4b. 70 000 + 3000 + 200 + 80 + 9 Seventy three thousand two hundred and ninety five 4c. 10000 + 2000 + 9 Twelve thousand and nine 4d. 30 000 + 2000 + 300 + 20 Thirty two thousand three hundred and twenty e. 40 000 + 2 Forty thousand and two 5a. 8000 b. 40 000 c. 8 d. 70 e. 800 6a. -4000 b. -900 c. -83 d. -24 783	1a. 32 215: 30 000 + 2000 + 200 + 10 + 5 b. 21 419: 20 000 + 1000 + 400 + 10 + 9 c. 23 123: 20 000 + 3000 + 100 + 20 + 3 d. 31 314: 30 000 + 1000 + 300 + 10 + 4 e. 43 017: 40 000 + 3000 + 9 + 8 2a. 34567, 34667, 34765, 43 675, 43 765 b. 28 678, 29 678, 29 687, 29 867, 29 876 c. 12 101, 12 121, 12 122, 12 212, 12 221 d. 9000, 90 009, 90 009, 90090, 90 909, 99 009 e. 42 424, 42 444, 44 224, 44 422, 44 424 3a. < b. < c. < d. > e. < 4a. 400 b. 4000 c. 4 d. 4 e. 40 000 5a. 14579 b. 97 541 c. 11 457 d. 99 754 6. 75 456

Grade 6 Worksheet 4 page 10	Grade 6 Worksheet 5 page 12
<p>1a. 14 b. 26 c. 18 d. 22 2a. 37 b. 63 3a. 100 000 b. 125 c. 273 d. 10 e. 0.2 f. 999 999 g. 8 743 821 h. 1 000 000 i. 0 j. 1 4a. 240 b. 8000 c. 1440 d. 9 600 000 e. 288 000 f. 0 g. 1200 h. 40</p>	<p>1a. True b. True c. False d. False e. True f. True g. False h. False i. True j. False 2a. ii b. i c. iii d. iii e. i f. iii g. i h. i i. i j. iii k. ii l. ii m. iii n. i 3. Answers possibly differ.</p>
Grade 6 Worksheet 6a page 14	Grade 6 Worksheet 6b page 16
<p>1a. 4000 b. 40 000 c. 4045 d. 60 500 e. 10 999 f. 90 999 2. <ul style="list-style-type: none"> • 42399, 42489, 43389, 52389 • 76391, 76481, 77381, 86381 • 45012, 45012, 46002, 55002 • 45992, 46082, 46982, 55982 3a. 3 b. 2 c. 9 d. 3 e. 75 f. 24 g. 25 h. 750 i. 220 j. 500 4a. 5 b. 5 c. 6 d. 3, 2 e. 2 f. 5, 5 g. 2, 2 h. 3+4, 4+3 i. 0, 0 j. 45+55, 55+45 5a. 3, 43, 543 b. 5, 15, 315 c. 3, 43, 143 d. 5, 25, 425 e. 1, 1, 1</p>	<p>5a. 78751 b. 56635 c. 85767 d. 90215 e. 62998 f. 82779 6. Answers possibly differ.</p>
Grade 6 Worksheet 7a page 18	Grade 6 Worksheet 7b page 16
<p>1a. 0 b. 20 000 c. 45 d. 50 500 e. 6999 f. 69 999</p>	<p>5. <ul style="list-style-type: none"> • 42346 • 43109 </p>

<p>2.</p> <ul style="list-style-type: none"> • 38882, 37982, 28982 • 67453, 67363, 66463, 57463 • 28384, 28294, 27394, 18394 • 33991, 33901, 33001, 24001 • 38281, 38191, 37291, 28291 <p>3a. 5 b. 6 c. 5 d. 2 e. 34 f. 45 g. 62 h. 175 i. 340 j. 300</p> <p>4a. False b. False c. False d. False e. True f. False g. True h. False i. False j. False</p> <p>5a. 2, 32, 232 b. 4, 14, 214 c. 7, 57, 457 d. 5, 75, 575 e. 9, 99, 999</p> <div style="background-color: #4b0082; color: white; padding: 5px; margin-top: 10px;"> <p>Errata – WK 7a. Question 5d. 3457 - _____ = 3400 should be 4575 - _____ = 4600</p> </div>	<ul style="list-style-type: none"> • 39228 • 13034 • 13261 • 10941 <p>6.</p> <ul style="list-style-type: none"> • 42436 • 43109 • 39228 • 13034 • 13261 • 10941
<p>Grade 6 Worksheet 8a page 22</p>	<p>Grade 6 Worksheet 8b page24</p>
<p>1.</p> <ul style="list-style-type: none"> • 16 000, 70 000, 0 • 32 000, 21 000, 75 000, 50 000 • 54 500, 43 500, 97 500, 27 500 • 46 250, 35 250, 89 250, 19 250 • 35 825, 24 825, 78 825, 8825 <p>2a. Addition b. Multiplication</p> <p>3a. 79763 b. 97433 c. 51893 d. 14775</p> <p>4. Learner’s own answers.</p>	<p>a.</p> <ul style="list-style-type: none"> • 30 000 • 37 500 • 11 250 • 11 250 <p>b. 26 250 c. 7500 d. 90 000 e. 26 126 f. 12 622 g. Soccer City or Johannesburg FNB stadium.</p>
<p>Grade 6 Worksheet 9a page 26</p>	<p>Grade 6 Worksheet 9b page 28</p>
<p>1a. $\frac{25}{40}$ b. $\frac{15}{40}$ c. $\frac{40}{40}$</p> <p>2a. $\frac{1}{4}$; $\frac{2}{4}$; $\frac{1}{4}$ b. $\frac{3}{9}$; $\frac{2}{9}$; $\frac{4}{9}$ c. $\frac{1}{3}$; $\frac{1}{3}$; $\frac{1}{3}$</p> <p>d. $\frac{2}{8}$; $\frac{2}{8}$; $\frac{4}{8}$ e. $\frac{6}{12}$; $\frac{3}{12}$; $\frac{3}{12}$ f. $\frac{2}{5}$; $\frac{1}{5}$; $\frac{2}{5}$</p> <p>g. $\frac{2}{6}$; $\frac{2}{6}$; $\frac{2}{6}$</p>	<p>3a. $\frac{5}{10} = 0.5$ b. $\frac{63}{100} = 0.63$</p> <p>4b.</p> <ul style="list-style-type: none"> • 1 $\frac{4}{12}$ • $\frac{16}{12}$ <p>c.</p> <ul style="list-style-type: none"> • 2 $\frac{4}{6}$ • $\frac{16}{6}$ <p>d.</p>

	<ul style="list-style-type: none"> • 2 $\frac{2}{5}$ • $\frac{12}{5}$ <p>e.</p> <ul style="list-style-type: none"> • 3 $\frac{2}{8}$ • $\frac{26}{8}$ <p>f.</p> <ul style="list-style-type: none"> • 2 $\frac{3}{9}$ • $\frac{21}{9}$ <p>g.</p> <ul style="list-style-type: none"> • 3 $\frac{1}{4}$ • $\frac{13}{4}$ <p>h.</p> <ul style="list-style-type: none"> • 1 $\frac{1}{3}$ • $\frac{4}{3}$
Grade 6 Worksheet 10a page 30	Grade 6 Worksheet 10b page 32
<p>d. $\frac{1}{2} = \frac{1}{8} + \frac{3}{8} = \frac{4}{8}$ b. $\frac{1}{2} = \frac{1}{10} + \frac{4}{10} = \frac{5}{10}$</p> <p>c. $\frac{1}{2} = \frac{1}{2} + \frac{0}{2} = \frac{1}{2}$ d. $\frac{1}{2} = \frac{1}{14} + \frac{6}{14} = \frac{7}{14}$</p> <p>e. $\frac{1}{2} = \frac{1}{6} + \frac{2}{6} = \frac{3}{6}$ f. $\frac{1}{2} = \frac{2}{8} + \frac{2}{8} = \frac{4}{8}$</p> <p>2a. $\frac{1}{3} = \frac{1}{6} + \frac{1}{6} = \frac{2}{6}$ b. $\frac{1}{3} = \frac{1}{9} + \frac{2}{9} = \frac{3}{9}$</p> <p>c. $\frac{1}{3} = \frac{1}{12} + \frac{3}{12} = \frac{4}{12}$ d. $\frac{1}{3} = \frac{1}{15} + \frac{4}{15} = \frac{5}{15}$</p> <p>e. $\frac{1}{3} = \frac{1}{18} + \frac{5}{18} = \frac{6}{18}$ f. $\frac{1}{3} = \frac{2}{21} + \frac{6}{21} = \frac{7}{21}$</p> <p>g. $\frac{1}{3} = \frac{2}{24} + \frac{7}{24} = \frac{8}{24}$</p>	<p>1a. $\frac{5}{8} = \frac{6}{8}$ b. $\frac{4}{8} = \frac{6}{8}$ c. $\frac{1}{4} = \frac{3}{4}$</p> <p>d. $\frac{6}{12} = \frac{9}{12}$</p> <p>2a. $\frac{3}{10} = \frac{4}{10}$ b. $\frac{2}{10} = \frac{4}{10}$ c. $\frac{7}{20} = \frac{8}{20}$</p> <p>d. $\frac{5}{20} = \frac{8}{20}$</p> <p>3a. $\frac{5}{6} = \frac{10}{12}$ b. $\frac{6}{8} = \frac{12}{16}$</p> <p>4a. 4 b. 6 c. 4</p> <p>d. 8 e. 10 f. 4</p> <p>g. 3 h. 2 i. 1</p> <p>j. 2 k. 1 l. 2</p>

Grade 6 Worksheet 10c page 34	
<p>1a. $\frac{4}{12} = \frac{2}{6}$ b. Yes.</p> <p>c. $\frac{1}{3}$ d. $\frac{8}{12} = \frac{4}{6}$</p> <p>e. Yes f. $\frac{2}{3}$</p> <p>2a. It doubles b. It doubles</p> <p>a. $\frac{1}{2} = \frac{4}{8}$ b. $\frac{3}{4} = \frac{12}{16}$ c. $\frac{2}{5} = \frac{6}{15}$</p> <p>d. $\frac{5}{7} = \frac{20}{28}$ e. $\frac{5}{6} = \frac{25}{30}$ f. $\frac{3}{4} = \frac{18}{24}$</p> <p>g. $\frac{7}{8} = \frac{35}{40}$ h. $\frac{3}{10} = \frac{15}{50}$ i. $\frac{1}{4} = \frac{10}{40}$</p> <p>j. $\frac{5}{2} = \frac{60}{48}$ k. $\frac{3}{5} = \frac{24}{40}$ l. $\frac{1}{3} = \frac{4}{12}$</p> <p>m. $\frac{4}{9} = \frac{16}{36}$ n. $\frac{11}{2} = \frac{33}{6}$ o. $\frac{6}{16} = \frac{12}{32}$</p> <p>p. $\frac{6}{16} = \frac{12}{32}$ q. $\frac{5}{9} = \frac{25}{45}$</p> <p>a. $\frac{5}{6} = \frac{10}{12} = \frac{15}{18} = \frac{20}{24} = \frac{25}{30} = \frac{30}{36}$</p> <p>b. $\frac{9}{11} = \frac{18}{22} = \frac{27}{33} = \frac{36}{44} = \frac{45}{55} = \frac{54}{66}$</p> <p>c. $\frac{4}{7} = \frac{8}{14} = \frac{12}{21} = \frac{16}{28} = \frac{20}{35} = \frac{24}{42}$</p> <p>d. $\frac{3}{4} = \frac{6}{8} = \frac{9}{12} = \frac{12}{16} = \frac{15}{20} = \frac{18}{24}$</p> <p>e. $\frac{2}{5} = \frac{4}{10} = \frac{6}{15} = \frac{8}{20} = \frac{10}{25} = \frac{12}{30}$</p>	
Grade 6 Worksheet 11 page 36	Grade 6 Worksheet 12 page 38
<p>1a. $\frac{1}{2}$ b. $\frac{3}{4}$ c. $\frac{5}{6}$ d. $\frac{7}{8}$</p> <p>e. $\frac{9}{10}$ f. $\frac{11}{12}$ g. $\frac{1}{4}$ h. $\frac{3}{8}$</p> <p>i. $\frac{3}{10}$ j. $\frac{5}{12}$</p>	<p>1a. 5 b. 10 c. 20 d. 4 e. 20 f. 20</p> <p>2a. LCM: 12, $\frac{17}{12}$ b. LCM: 30, $\frac{23}{30}$</p>

<p>2a. 2 b. $4\frac{5}{12}$</p> <p>c. $6\frac{8}{8}$ d. $5\frac{8}{10}$</p> <p>e. $3\frac{2}{12}$ f. $4\frac{3}{8}$</p> <p>3a. 14 b. 25 c. 9 d. 4 e. 60 f. 7</p> <p>4a. $\frac{12}{14}$ b. $\frac{22}{27}$ c. $\frac{11}{15}$ d. $\frac{8}{20}$ e. $\frac{3}{15}$</p>	<p>c. LCM: $14, \frac{11}{14}$ d. LCM: $24, \frac{31}{24}$</p> <p>e. LCM: $12, \frac{13}{12}$ f. LCM: $45, \frac{51}{45}$</p> <p>g. LCM: $56, \frac{31}{56}$ h. LCM: $22, \frac{12}{22}$</p> <p>3. $\frac{19}{90}$</p>
Grade 6 Worksheet 13 page 40	Grade 6 Worksheet 14 page 42
<p>1a. 200 b. 300 c. 400 d. 500</p> <p>2a. 10 b. 1000 c. 10 000</p> <p>d.i. 2000 ii. 5000 iii. 3000 iv. 9000</p> <p>3a.i. 15 000 ii. 5000 iii. 10000 b.i. 87500 ii. 12 500 iii. 25000 iv. 62500 v. 87 vi. 25 000 c.i. 120 000 ii. 30 000 iii. 40 000 iv. 80 000 v. 100 000</p>	<p>1. $\frac{1}{4}$</p> <p>2a.i. $\frac{44}{100}$ ii. 44% b.i. $\frac{91}{100}$ ii. 91%</p> <p>c.i. $\frac{81}{100}$ ii. 81% d.i. $\frac{70}{100}$ ii. 70%</p> <p>3. 75%</p> <p>4. $\frac{99}{100}$</p> <p>5b. half $\frac{1}{2}$ c. one quarter $\frac{1}{4}$</p> <p>d. Three quarters $\frac{3}{4}$</p> <p>6a. 25% b. 50% c. 75% d. 0%</p> <p>7a. 10% b. 40% c. 90%</p>
Grade 6 Worksheet 15 page 44	Grade 6 Worksheet 16a page 46
<p>1.</p> <ul style="list-style-type: none"> • 89% • $\frac{58}{100}$; 0.58 • $\frac{61}{100}$; 61%; 0.61 • 25%; 0.25 • $\frac{75}{100}$; 75% 	<p>1a. 60 minutes b. 60 seconds c. 360 minutes d. 120 seconds</p> <p>2a. 30 minutes b. 15 minutes c. 12 minutes d. 30 seconds e. 15 seconds f. 12 seconds</p> <p>3.</p>

<p>2a. colour in one half of each shape.</p> <ul style="list-style-type: none">• $\frac{1}{2}$• 0.5• 50% <p>b. Colour in one quarter of each shape.</p> <ul style="list-style-type: none">• $\frac{1}{4}$• 0.25• 25% <p>3a. 50c b. 50c c. 50c d. 25c e. 25c f. 25c</p> <p>4a. 60 b. 30 c. 75% d. 90</p>	<ul style="list-style-type: none">• 17:32:05• 1 hour, 8 minutes, 0 seconds, 17:48• 01:24:07, 16:54:00• 00:55:25, 16:40:25• 1 hour, 5 minutes, 9 seconds, 15:55:09
--	---