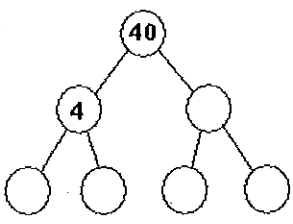
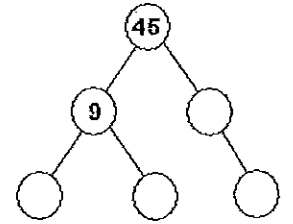



	ANSWERS
<p><b>Question 1</b></p> <p>(a) How many "thirds" are there in ... <math>3\frac{1}{3}</math></p> <p>(b) How many "quarters" are there in ... <math>3\frac{1}{2}</math></p>	<p>(a).....</p> <p>(b).....</p>
<p><b>Question 2</b></p> <p>Write as a mixed fraction</p> <p>(a) <math>\frac{7}{4}</math></p> <p>(b) <math>\frac{43}{8}</math></p>	<p>(a).....</p> <p>(b).....</p>
<p><b>Question 3</b></p> <p>Simplify:</p> <p>(a) <math>\frac{5}{9} + \frac{5}{9} - \frac{4}{9}</math></p> <p>(b) <math>4 - \frac{7}{10}</math></p>	<p>(a).....</p> <p>(b).....</p>
<p><b>Question 4</b></p> <p>Express each fractions in its simplest form:</p> <p>(a) <math>\frac{6}{15}</math></p> <p>(b) <math>\frac{45}{60}</math></p>	<p>(a).....</p> <p>(b).....</p>
<p><b>Question 5</b></p> <p>Write each fraction as a decimal:</p> <p>(a) <math>3\frac{12}{1000}</math></p> <p>(b) <math>\frac{13}{50}</math></p>	<p>(a).....</p> <p>(b).....</p>
<p><b>Question 6</b></p> <p>Simplify:</p> <p>(a) <math>1.26 \times 1000</math></p> <p>(b) <math>1.26 \times 5</math></p> <p>(c) <math>1.26 \times 1.8</math></p>	<p>(a).....</p> <p>(b).....</p> <p>(c).....</p>

<p><b>Question 7</b></p> <p>Find the value of:</p> <p>(a) <math>2.9 + 1 + 0.22</math></p> <p>(b) <math>3.45 - 1.8</math></p> <p>(c) <math>4 \overline{) 7.28}</math></p> <p>(d) <math>5 \overline{) 7.28}</math></p>	<p>(a).....</p> <p>(b).....</p> <p>(c).....</p> <p>(d).....</p>
<p><b>Question 8</b></p> <p>Write these percentages as a decimal:</p> <p>(a) 3 %</p> <p>(b) <math>37\frac{1}{2}</math> %</p>	<p>(a).....</p> <p>(b).....</p>
<p><b>Question 9</b></p> <p>Find the value of:</p> <p>(a) <math>5 + 3 \times 2</math></p> <p>(b) <math>3 + 5 \times 4 - 1</math></p> <p>(c) <math>\frac{12 + 8}{2 + 3}</math></p> <p>(d) <math>3 \times (7 - 1) + 2</math></p>	<p>(a).....</p> <p>(b).....</p> <p>(c).....</p> <p>(d).....</p>
<p><b>Question 10</b></p> <p>(a) List the first 10 multiples of (i) 10 and (ii) 6</p> <p>(b) From this list write down all the "<u>common</u>" multiples of 10 and 6</p> <p>(c) What is the L.C.M. (<u>lowest</u> common multiple) of 10 and 6</p>	<p>(a) Write answer ← here</p> <p>(b) Write answer ← here</p> <p>(c).....</p>

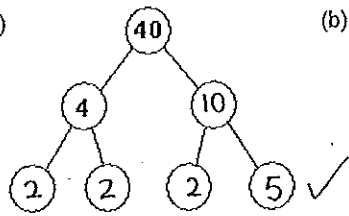
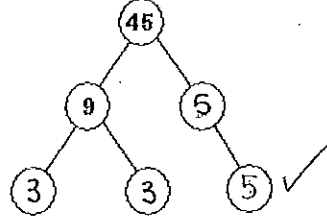
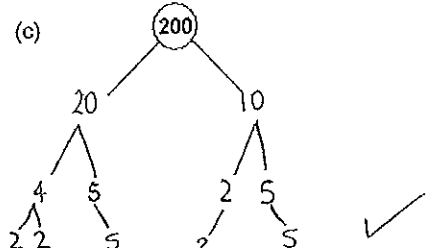
<p><b>Question 11</b> List ALL of the factors of the numbers:</p> <p>(a) 20      1, 2, 4, 5, 10, 20</p> <p>(b) 100      1, 2, 4, 5, 10, 20, 50, 100</p>	<p>(a) Write answer ← here</p> <p>(b) Write answer ← here</p>
<p><b>Question 12</b> Find the H.C.F. (highest common factor) of:</p> <p>(a) 12 &amp; 18</p> <p>(b) 20 &amp; 100</p>	<p>(a).....</p> <p>(b).....</p>
<p><b>Question 13</b> What is the place value of the 7 in each of the numbers below?</p> <p>(a) 87100</p> <p>(b) 8.075</p>	<p>(a)</p> <p>(b)</p>
<p><b>Question 14</b> Write the following numbers using <i>powers</i>:-</p> <p>(a) <math>3 \times 10 \times 10 \times 10 \times 10</math></p> <p>(b) <math>2 \times 2 \times 3 \times 3 \times 3 \times 5 \times 2 \times 5 \times 2</math></p>	<p>(a)</p> <p>(b)</p>
<p><b>Question 15</b> Write the basic numeral for each:</p> <p>(a) <math>7 \times 10^2</math></p> <p>(b) <math>2 \times 10^3</math></p> <p>(c) <math>3 \times 5^2</math></p> <p>(d) <math>10^2 \times 3^3</math></p> <p>(e) <math>50 - \{11 + (12 - 3)\}</math></p>	<p>(a).....</p> <p>(b).....</p> <p>(c).....</p> <p>(d).....</p> <p>(e).....</p>

<p><b>Question 16</b> What number is represented by the following:-</p> <p>(a) <math>(9 \times 10\,000) + (2 \times 1\,000) + 100 + (8 \times 10)</math></p> <p>(b) <math>(8 \times 100\,000) + (4 \times 1\,000) + 5</math></p>	<p>(a).....</p> <p>(b).....</p>
<p><b>Question 17</b> Write each number in "<i>expanded</i>" form (as shown in question 16)</p> <p>(a) 4075      <math>(4 \times 1\,000) + (7 \times 10) + 5</math></p> <p>(b) 30604      <math>(3 \times 10\,000) + (6 \times 100) + 4</math></p>	<p>(a)..... ←</p> <p>(b)..... ←</p>
<p><b>Question 18</b> Write the basic numeral for:-</p> <p>(a) <math>8 - 5 + 4 - 5</math></p> <p>(b) <math>9 - 15 + 11</math></p>	<p>(a).....</p> <p>(b).....</p>
<p><b>Question 19</b></p> <p>(a) Which numbers listed below are divisible by 3 ? 353 , 521143 , 22224</p> <p>(b) Which numbers listed below are divisible by 4 ? 2514 , 5588 , 10008</p>	<p>a)</p> <p>b)</p>
<p><b>Question 20</b> Write each of the numbers below as the product of its prime factors by completing the factor trees.</p> <p>(a) </p> <p>(b) </p> <p>Draw your own tree for the next number (200)</p> <p>(c) </p>	<p>(a)</p> <p>40 = ..</p> <p>(b)</p> <p>45 = .....</p> <p>(c)</p> <p>200 =</p>

Question	ANSWERS
<p><u>Question 1</u></p> <p>(a) How many "thirds" are there in ... <math>3\frac{1}{3}</math></p> <p>(b) How many "quarters" are there in ... <math>3\frac{1}{2}</math></p>	<p>(a) 10 ✓</p> <p>(b) 14 ✓</p>
<p><u>Question 2</u></p> <p>Write as a mixed fraction</p> <p>(a) <math>\frac{7}{4}</math></p> <p>(b) <math>\frac{43}{8}</math></p>	<p>(a) <math>1\frac{3}{4}</math> ✓</p> <p>(b) <math>5\frac{3}{8}</math> ✓</p>
<p><u>Question 3</u></p> <p>Simplify:</p> <p>(a) <math>\frac{5}{9} + \frac{5}{9} - \frac{4}{9}</math></p> <p>(b) <math>4 - \frac{7}{10}</math></p>	<p>(a) <math>\frac{2}{3}</math> ✓</p> <p>(b) <math>3\frac{3}{10}</math> ✓</p>
<p><u>Question 4</u></p> <p>Express each fractions in its simplest form:</p> <p>(a) <math>\frac{6}{15}</math></p> <p>(b) <math>\frac{45}{60}</math></p>	<p>(a) <math>\frac{2}{5}</math> ✓</p> <p>(b) <math>\frac{3}{4}</math> ✓</p>
<p><u>Question 5</u></p> <p>Write each fraction as a decimal:</p> <p>(a) <math>3\frac{12}{1000}</math></p> <p>(b) <math>\frac{13}{50}</math></p>	<p>(a) 3.012 ✓</p> <p>(b) 0.26 ✓</p>
<p><u>Question 6</u></p> <p>Simplify:</p> <p>(a) <math>1.26 \times 1000</math></p> <p>(b) <math>1.26 \times 5</math></p> <p>(c) <math>1.26 \times 1.8</math></p>	<p>(a) 1260 ✓</p> <p>(b) 6.3 ✓</p> <p>(c) 2.268 ✓</p>

<p><u>Question 7</u></p> <p>Find the value of:</p> <p>(a) <math>2.9 + 1 + 0.22</math></p> <p>(b) <math>3.45 - 1.8</math></p> <p>(c) <math>4 \overline{) 7.28}</math></p> <p>(d) <math>5 \overline{) 7.280}</math></p>	<p>(a) 4.12 ✓</p> <p>(b) 1.65 ✓</p> <p>(c) 1.82 ✓</p> <p>(d) 1.456 ✓</p>
<p><u>Question 8</u></p> <p>Write these percentages as a decimal:</p> <p>(a) 3 %</p> <p>(b) <math>37\frac{1}{2}</math> %</p>	<p>(a) 0.03 ✓</p> <p>(b) 0.375 ✓</p>
<p><u>Question 9</u></p> <p>Find the value of:</p> <p>(a) <math>5 + 3 \times 2</math></p> <p>(b) <math>3 + 5 \times 4 - 1</math></p> <p>(c) <math>\frac{12 + 8}{2 + 3}</math></p> <p>(d) <math>3 \times (7 - 1) + 2</math></p>	<p>(a) 11 ✓</p> <p>(b) 22 ✓</p> <p>(c) <math>\frac{20}{5} = 4</math> ✓</p> <p>(d) 9 ✓</p>
<p><u>Question 10</u></p> <p>(a) List the first 10 multiples of</p> <p>(i) 10 <u>10, 20, 30, 40, 50, 60, 70, 80, 90, 100.</u> ✓</p> <p>and (ii) 6 <u>6, 12, 18, 24, 30, 36, 42, 48, 54, 60.</u> ✓</p> <p>(b) From this list write down all the "common" multiples of 10 and 6</p> <p><u>30, 60</u> ✓</p> <p>(c) What is the L.C.M. (<u>lowest</u> common multiple) of 10 and 6</p>	<p>(a) Write answer ← here</p> <p>(b) Write answer ← here</p> <p>(c) 30 ✓</p>

<p><u>Question 11</u> List ALL of the factors of the numbers:</p> <p>(a) 20     <u>1, 2, 4, 5, 10, 20</u> ✓</p> <p>(b) 100    <u>1, 2, 4, 5, 10, 20, 25, 50, 100</u> ✓</p>	<p>(a) Write answer ← here</p> <p>(b) Write answer ← here</p>
<p><u>Question 12</u> Find the H.C.F. (highest common factor) of:</p> <p>(a) 12 &amp; 18</p> <p>(b) 20 &amp; 100</p>	<p>(a) ..... <u>6</u> ✓</p> <p>(b) ..... <u>20</u> ✓</p>
<p><u>Question 13</u> What is the place value of the 7 in each of the numbers below?</p> <p>(a) 87 100</p> <p>(b) 8.075</p>	<p>(a) ... <u>7 thousands</u> ✓</p> <p>(b) ... <u>7 hundredths</u> ✓</p>
<p><u>Question 14</u> Write the following numbers using powers:-</p> <p>(a) <math>3 \times 10 \times 10 \times 10 \times 10</math></p> <p>(b) <math>2 \times 2 \times 3 \times 3 \times 3 \times 5 \times 2 \times 5 \times 2</math></p>	<p>(a) ... <u><math>3 \times 10^4</math></u> ✓</p> <p>(b) ... <u><math>2^4 \times 3^3 \times 5^2</math></u> ✓</p>
<p><u>Question 15</u> Write the basic numeral for each:</p> <p>(a) <math>7 \times 10^2</math></p> <p>(b) <math>2 \times 10^3</math></p> <p>(c) <math>3 \times 5^2</math></p> <p>(d) <math>10^2 \times 3^3</math></p> <p>(e) <math>50 - \{11 + (12 - 3)\}</math></p>	<p>(a) ... <u>700</u> ✓</p> <p>(b) ... <u>2 000</u> ✓</p> <p>(c) ... <u>75</u> ✓</p> <p>(d) ... <u>900</u> ✓</p> <p>(e) ... <u>30</u> ✓</p>

<p><u>Question 16</u> What number is represented by the following:-</p> <p>(a) <math>(9 \times 10\,000) + (2 \times 1\,000) + 100 + (8 \times 10)</math></p> <p>(b) <math>(8 \times 100\,000) + (4 \times 1\,000) + 5</math></p>	<p>(a) ... <u>92 180</u> ✓</p> <p>(b) ... <u>804 005</u> ✓</p>
<p><u>Question 17</u> Write each number in "expanded" form (as shown in question 16)</p> <p>(a) 4 075</p> <p>(b) 30 604</p>	<p>(a) ... <u><math>(4 \times 10^3) + (7 \times 10^1) + (5 \times 10^0)</math></u> ✓</p> <p>(b) ... <u><math>(3 \times 10^4) + (6 \times 10^3) + (4 \times 10^2) + (6 \times 10^1) + (4 \times 10^0)</math></u> ✓</p>
<p><u>Question 18</u> Write the basic numeral for:-</p> <p>(a) <math>8 - 5 + 4 - 5</math></p> <p>(b) <math>9 - 15 + 11</math></p>	<p>(a) ... <u>2</u> ✓</p> <p>(b) ... <u>5</u> ✓</p>
<p><u>Question 19</u> (a) Which numbers listed below are divisible by 3 ? 353 , 521143 , 22224</p> <p>(b) Which numbers listed below are divisible by 4 ? 2514 , 5588 , 10008</p>	<p>(a) ... <u>22224</u> ✓</p> <p>(b) ... <u>5588, 10008</u> ✓</p>
<p><u>Question 20</u> Write each of the numbers below as the product of its prime factors by completing the factor trees.</p> <p>(a) </p> <p>(b) </p> <p>Draw your own tree for the next number (200)</p> <p>(c) </p>	<p>(a) <math>40 = 2 \times 2 \times 2 \times 5</math> ✓</p> <p>(b) <math>45 = 3 \times 3 \times 5</math> ✓</p> <p>(c) <math>200 = 2 \times 2 \times 5^2 \times 2</math> <math>= 2^3 \times 5^2</math> ✓</p>