1. Find the sum of all prime numbers between 80 and 100.

2. Write the prime factors of 231.

3. Express 126 as a product of prime factors, in index form.

4. (a) Find the L.C.M. of 12, 18, 30 and 60.

(b) Arrange the following numbers in descending order.
\[
\frac{1}{4}, 0.34, 0.52, \frac{3}{10}
\]
5. (a) Express 0.00125 as a fraction in its lowest term.

(b) Express \( \frac{7}{4} \) as a decimal.

(c) Express \( \frac{53}{25} \) as a mixed number.

6. (a) Find the square root of 324.
(b) Find the cube root of 1728.

7. Evaluate each of the following:
   (a) $8 - 0.8 - 0.08$
   (b) $25 - 24 \div 8$
   (c) $0.24 \div 0.8$
(d) \(9 + 7 \times 8 \div 2\)

(e) \([-20 - (-4)] \div 4\)

(f) \(5 \times 2 + 3[(2(5 - 3) + 4(4 + 2) - 3]\)

(g) \(10.3 \times 0.01\)

8. Solve each of the following fraction:

(a) \(\frac{3}{4} - \left(\frac{2}{3} + \frac{3}{4}\right)\)
(b) \[ \frac{3}{5} - 2 \frac{2}{5} \times \frac{1}{4} \]

(c) \[ \sqrt{225} - \sqrt{125} \]

(d) \[ (-3)^2 - (-2)^3 \]

9. The table below shows the monthly rainfall (in cm) for the first six months of a particular year.

<table>
<thead>
<tr>
<th>JAN</th>
<th>FEB</th>
<th>MAR</th>
<th>APR</th>
<th>MAY</th>
<th>JUN</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>1.6</td>
<td>1.03</td>
<td>0.95</td>
<td>0.47</td>
<td>0.8</td>
</tr>
</tbody>
</table>

What was the total rainfall from January to June?
10. The temperature at noon at an Antarctica weather centre was -15°C. At midnight it had fallen by 12°C. What was the temperature at midnight?

11. (a) Write down a number, other than 1, which is a factor of 14 and 35.

(b) Write down a number which is a multiple of both 14 and 35.

12. Write the correct sign ‘>’, ‘=’ or ‘<’ in the boxes below.
   (a) \( \frac{3}{5} \) [ ] \( \frac{5}{8} \)
   (b) \( \frac{4}{9} \) [ ] \( \frac{160}{360} \)
   (c) \( \frac{1}{4} \) [ ] 0.245

~BEST OF LUCK~