Q1. Find the value of \((-20 + 45) ÷ [-50 \times (-10 - 40)]\).

Q2. The area of rectangular field is \(32\frac{5}{8} \text{ m}^2\). If its length is \(20\frac{3}{4} \text{ m}\), find its breadth.

Q3. Rita bought a dozen notebooks for Rs.136.20. If she has to buy 5 more notebooks, then how much more money will she have to pay to the shopkeeper?

Q4. Find the mean of all the multiples of 20 before 150.

Q5. If \(\frac{85}{2} - \frac{64}{8} = 21\frac{1}{6}\), then find the value of \(x\).

Q6. In the given figures (i) & (ii) find angles \(x, y\) and \(z\) (Give reasons)

Q7. Represent \(\frac{8}{3}\) and \(-\frac{8}{3}\) on the number line.

Q8. If \(\left(\frac{27}{8}\right)^{-8} \times \left(\frac{27}{8}\right)^n + \left(\frac{2}{3}\right)^{-18} = 1\), then find the value of \(n\).

Q9. Simplify: \((9x^2 - x + 15)(x^2 - 3) - (3x^2 + 5x - 9)(3x - 9)\). Then find the value of the expression when \(x = 1\)

Q10. On a school picnic, a group of girls agree to pay equally for the use of a boat and each pays Rs.25. If there had been 3 more girls in the group, each would have paid Rs. 5 less. How many girls were there in the group?

Q11. If \(A:B=5:6\) and \(B:C=4:7\), then find \(A:B:C\).
Q12 Find the mean weight of the following data:

<table>
<thead>
<tr>
<th>Wt.(cm)</th>
<th>50</th>
<th>52</th>
<th>54</th>
<th>56</th>
<th>58</th>
<th>60</th>
<th>62</th>
<th>64</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of students</td>
<td>8</td>
<td>10</td>
<td>15</td>
<td>20</td>
<td>8</td>
<td>6</td>
<td>2</td>
<td>1</td>
</tr>
</tbody>
</table>