Numeracy Assessment

Question 1
Round this number to one decimal place

17.36

Question 2
How many millilitres in \( \frac{3}{4} \) of a litre?

4

Question 3
You measure a patient’s pulse as 27 beats over 20 seconds. Calculate this as beats per minute.

Question 4
A patient’s temperature rises from 36.5º C to 38.3º C. By how much has the temperature increased?

Question 5
One litre of disinfectant is mixed in a ratio of 1 : 3 with water. How much disinfectant solution does this make altogether?
**Question 6**

An ambulance station serves four districts. The mileage covered in each district is shown in the table below.

<table>
<thead>
<tr>
<th>District</th>
<th>Mileage (thousands)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Central</td>
<td>54</td>
</tr>
<tr>
<td>North</td>
<td>9</td>
</tr>
<tr>
<td>West</td>
<td>5</td>
</tr>
<tr>
<td>East</td>
<td>4</td>
</tr>
</tbody>
</table>

What fraction of the total mileage was covered by the Central district? Give your answer in its simplest form.

**Question 7**

a) Ken earns £350 per week and has a pay increase of 3%.
   Penny earns £300 per week and has a pay increase of 4%.

   Who has the largest pay increase?

b) Sharon is on duty from 11.45 to 20.20 each day for 5 days. How many hours and minutes does she work altogether?

**Question 8**

The fluid output from a patient is measured for 4 days.

<table>
<thead>
<tr>
<th>Day</th>
<th>Fluid output (ml)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday</td>
<td>745</td>
</tr>
<tr>
<td>Tuesday</td>
<td>436</td>
</tr>
<tr>
<td>Wednesday</td>
<td>336</td>
</tr>
<tr>
<td>Thursday</td>
<td>247</td>
</tr>
</tbody>
</table>

Calculate the arithmetic average (mean) value of the patient’s output per day over the 4 days?
Question 9

In a hospital of 600 people, the ratio of female to male workers is 3 : 1.

How many workers are female?

Question 10

A patient decreases in body weight from 80 Kg to 68 Kg over a 4 month period.

a) How much weight has she lost?

b) Calculate the average monthly weight loss in kg/month.

c) What percentage of her original body weight has she lost?

Question 11

A patient is prescribed 2.5mg per Kg of a drug and weighs 53.6 Kg.

What is the correct dose to be administered?

Question 12

The label on the medication reads 1.5mg per 2ml. How many mg are in 12 ml?