Q. No. 26. (a) Solve $3056 \times 102$  

\[
\begin{array}{c|c}
3056 &  \\
\times 102 &  \\
6112 & 0.5 \text{ mark} \\
00000 & 0.5 \text{ mark} \\
305600 & 0.5 \text{ mark} \\
311712 & 1.5 \text{ mark} \\
\end{array}
\]

(b) Solve. 

\[
(40 \div 5) \times 4 + 6 - 4
\]

\[
= 8 \times 4 + 6 - 4
\]

\[
= 32 + 6 - 4
\]

\[
= 38 - 4
\]

\[
= 34
\]

(c) Find the smallest number which when divided by 6, 12 and 18 leaves no remainder. 

\[
\text{L.C.M} = 2 \times 2 \times 3 \times 3 = 36
\]

So required number = 36
Q. No. 27. (a) Convert $18\frac{1}{2}$ into decimal.

\[
18\frac{1}{2} = 18 + \frac{1}{2} = 18 + 0.5 = 18.5
\]

(b) Solve.

\[
\begin{align*}
3\frac{1}{2} \times \left( \frac{1}{6} \times \frac{6}{7} \right) &= \frac{7}{2} \times \left( \frac{1}{6} \times \frac{6}{7} \right) \\
&= \frac{7}{2} \times \frac{1}{7} \\
&= \frac{1}{2}
\end{align*}
\]

(c) Solve \(3.3 + (9.5 - (6.6 + 1.2))\)

\[
3.3 + (9.5 - (6.6 + 1.2)) = 3.3 + (9.5 - 7.8) = 3.3 + 1.7 = 5
\]
Q. No. 28. (a) 8 men paint a house in 30 days. In how many days will 15 men paint the same house?

Number of days to complete work by 8 men = 30

Number of days to complete work by 1 man = 8 × 30

Number of days to complete work by 15 men = \( \frac{8 \times 30}{15} \)

= 16

(b) The price of 40 books is Rs. 2000. What will be the price of 15 such books?

Price of 1 book = \( \frac{2000}{40} = 50 \)

Price of 15 books = 15 × 50 = 750

= Rs. 750

Note: Deduct 1 mark if unit is not mentioned

Q. No. 29. (a) One day the maximum temperature in Peshawar was 15°C. What was the temperature in degree Fahrenheit?

Temperature in Fahrenheit = \( (15 \times \frac{9}{5}) + 32 \)

= 27 + 32 = 59

= 59°F

(b) Write down the types of the angles, ∠ABC and ∠LMN in the given figures.

(i) Acute Angle

(ii) Obtuse Angle
(c) Construct a triangle ABC when \( m\overline{AB} = 5\text{cm}, \ m\overline{BC} = 4\text{cm} \) and \( m\overline{AC} = 4\text{cm} \)

For drawing correct line segment (base) 1 mark
For drawing two correct arcs 2 marks
For drawing the correct triangle 1.5 Marks
For correct labelling of triangle 0.5 mark

Q. No. 30. (a) There are 250 students in a school. Out of these, 105 are girls. Find the percentage of boys.

Total number of students = 250
Number of girls = 105
Number of boys = 250 – 105 = 145
Percentage of boys = \( \frac{145}{250} \times 100 = 58\% \)

(b): The given graph shows marks obtained by a student of grade 5 in four subjects. Find the total marks obtained by the student in English, Mathematics, Science and Urdu.

Marks of English = 70 0.5 mark
Marks of Maths = 90 0.5 mark
Marks of Science = 80 0.5 mark
Marks of Urdu = 60 0.5 mark
Total marks = \( 70 + 90 + 80 + 60 = 300 \) 1 mark

(c): Find the average marks obtained by the student per subject.

Average = \( \frac{\text{Total marks}}{\text{Number of subjects}} \) 1 mark
= \( \frac{300}{4} \) 1 mark
= 75 1 mark