Day:_____ $\underline{\textsf{SECTION-II}}$ Date:_____

QUESTION 6

a. A store has packets of candies in flavours Apple

Data:

                                                        a   b   c   d
ratio of candies ⇒ 3 : 6 : 2 : 5
according to condition
         apple (a) = d + 35
         berry = ?

Solution:

         d + 35 : 6 : 2 : 5

                                     since d = 5

         5 + 35 : 6 : 2 : 5

            40 : 6 : 2 : 5

The amount of berries remained
unchange i.e. 6.

b. Data:

      Price = 200
      discount = 25%
      tax = 6%
      ~~total discount~~ = 25 + 6 = 31%

Solution.

      first calculate the discount,

formula ⇒ discount % = discount × price

$$25 \% = discount \times 200$$

$$discount = \frac{200}{25}$$

$$discount = original \ price - discount \ \%$$

$$discount = 200 - 25\%$$
$$= 200 - \frac{25}{100}$$
$$= \frac{20,000 - 25}{100}$$
$$= \frac{19,975}{100}$$
$$= 199.75$$

c. **Data:**

distance = 36 km
(i.) time $\overset{speed}{=}$ 18 km/h
time (t_2) = ?

$$speed = \frac{distance}{time}$$

$$18 = \frac{36}{t}$$

$$t = \frac{\overset{2}{\cancel{36}}}{\cancel{18}}$$

$$time = 2 \ km/hour.$$

Thus if the bicycle starts at 1pm and then time it takes is 2 hours.
then,

$$1 + 2 = 3pm.$$

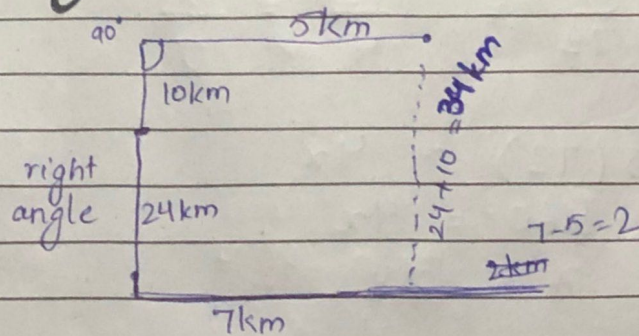The time it reaches to the destination will be 3 pm.

d. **STS TAICITS :**

STATISTICS

LGEBMAR :

G AMBLER

QUESTION 8

a. diagram

Solution :

Total distance covered $= 7 + 24 + 10 + 5$
$= 48 km$

The distance from the starting point he covered is $= 34 km$

c | Rectangular box = 8m × 6m × 4m.

find area and volume

area of rectangle = A = L × w
$$A = 8 \times 6$$
$$\boxed{Area = 48 \, m}$$

Volume of rectangle = V = l × w × h
$$V = 8 \times 4 \times 4$$
$$V = 48 \times 4$$
$$\boxed{V = 192 \, km}$$

$$\begin{array}{r} 348 \\ \times \ 4 \\ \hline 192 \end{array}$$

d.

Men	Women
4 ↑	4 + 1 = 5 ↑
72	50 + x

$$\frac{\cancel{4}}{\cancel{72}} = \frac{72}{4} = \frac{x}{5}$$

$$5(72) = 4x$$
$$360 = 4x$$
$$x = \frac{\cancel{360}\ 18\ 7}{\cancel{4}\ 1}$$
$$\boxed{x = 7}$$

$$\begin{array}{r} 72 \\ \times \ 5 \\ \hline 360 \end{array}$$

Thus, Amna consumes 7 kgs.