Observations

1. Students will observe that

In $\triangle ABC$ $\qquad \dfrac{AP_1}{P_1B} = \dfrac{AP_2}{P_2C}$

$$\dfrac{AP_3}{P_3B} = \dfrac{AP_4}{P_4C}$$

2. Students will note similar equalities for $\triangle DEF$ and $\triangle PQR$.
3. Students will observe that in all the three triangles the Basic Proportionality Theorem is verified.

Learning outcome

Knowledge of the Basic Proportionality Theorem for a triangle will be reinforced through this activity.

Remark

The teacher will point out to the students to observe that $P_1P_2 \parallel BC$ and $P_3P_4 \parallel BC$ because segments P_1P_2, P_3P_4 and BC are part of the lines parallel to each other.
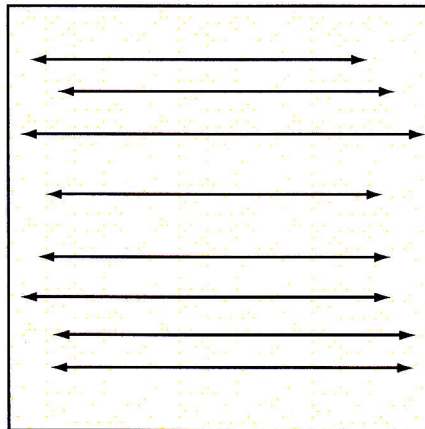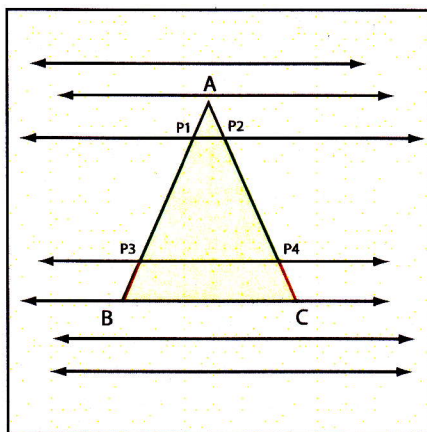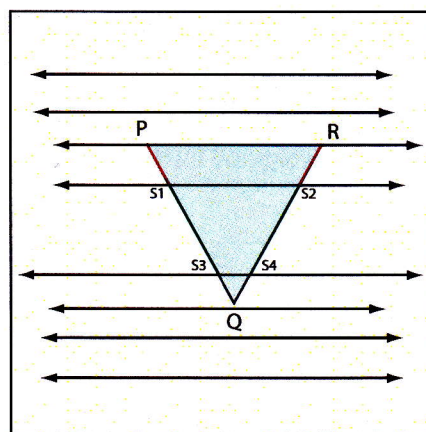

Fig 4(a)

Fig 4(b)

Fig 4(c)