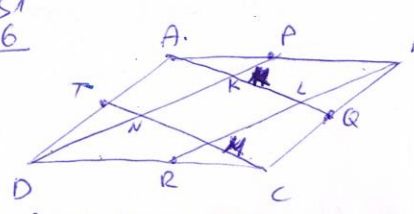


1.51  
6



הקבוצות  $AQCT \Leftrightarrow TA=CQ$  ✓  
 $\downarrow$   
 $AQCT \Leftrightarrow TA=CQ$   
 הקבוצות  $PBRD \Leftrightarrow PB=DR$   
 $\downarrow$   
 $PBRD \Leftrightarrow PB=DR$

הקבוצות  $MLKN \Leftrightarrow$   
 $AM$  -  $\Delta$   $AD$   $\Delta$   $T-N$   $\Delta$   $T-N$  ✓  
 $\Delta$   $CON \cong \Delta$   $RM$  ✓

$2x = OM = NM$  (נ"ס)

(S.S.S)  $\Delta$   $CND \cong \Delta$   $BLA$

$2x = AK \Leftrightarrow \Delta$   $BAC \cong \Delta$   $KP$  (נ"ס)

$NT = \frac{1}{2} AK = x \Leftrightarrow \Delta$   $AKD \cong \Delta$   $NT$  " "

$DP = TN + NM + MC = 2x + 2x + x = 5x$

$4x = 2x = \frac{2}{5} \cdot 5x = \frac{2}{5} DP$

$S_{PBRD} = h \cdot DR = h \cdot \frac{1}{2} DC$   
 $= \frac{1}{2} (h \cdot DC) = \frac{1}{2} S$  (הקבוצות  $ABCD$   $h$  -  $a$ )

$H \rightarrow$  (נ"ס)  $DP$  -  $R$  -  $N$  (נ"ס)

$S_{PBRD} = \frac{1}{2} S = H \cdot DP$

$S_{MLKN} = H \cdot NM = H \cdot (\frac{2}{5} DP)$

$\Rightarrow \frac{S_{MLKN}}{2} = H \cdot DP$

$\frac{S_{MLKN}}{2} = S_{PBRD} = \frac{1}{2} S$

$S_{MLKN} = \frac{2}{5} \cdot \frac{1}{2} S = \frac{1}{5} S$