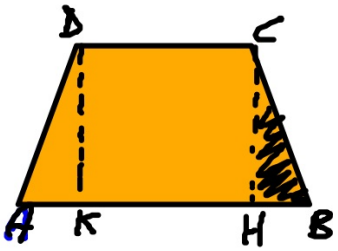


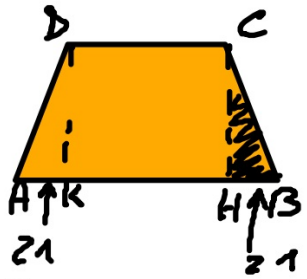

$$AD \cong BC$$

$$BC = \sqrt{CH^2 + HB^2}$$

$$HB = \frac{AB - CD}{2}$$

$$CH = \sqrt{BC^2 - HB^2}$$

$$HB = \sqrt{BC^2 - CH^2}$$




$AB = 63\,cm$ | P
$CH = 72\,cm$ | A
$BC = \frac{25}{24} CH$

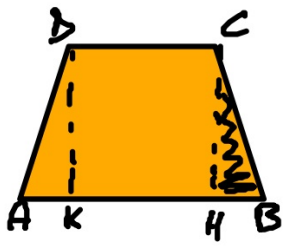
$BC = CH : 24 \cdot 25 = 72 : 24 \cdot 25 = 75\,cm$

$HB = \sqrt{BC^2 - CH^2} = \sqrt{75^2 - 72^2} = \sqrt{5625 - 5184} = \sqrt{441} = 21\,cm$

$CD = AB - HB \cdot 2 = 63 - 2 \cdot 21 = 63 - 42 = 21\,cm$

$P = AB + BC \cdot 2 + CD = 63 + 2 \cdot 75 + 21 = 234\,cm$

$A = \frac{(AB + CD) \cdot CH}{2} = \frac{(63 + 21) \cdot 72}{2} = \frac{84 \cdot 36}{2} = 3024\,cm^2$




$A = 768\ cm^2$
$AB + CD = 64\ cm$
$AB - CD = 36\ cm$
$\Big| P$

$AB = \frac{s+d}{2} = \frac{64+36}{2} = \frac{100}{2} = 50\ cm$

$CD = \frac{s-d}{2} = \frac{64-36}{2} = \frac{28}{2} = 14\ cm$

$CH = \frac{A \cdot 2}{(AB+CD)} = \frac{768 \cdot 2}{64} = 24\ cm$

$HB = \frac{AB-CD}{2} = \frac{50-14}{2} = 18\ cm$

$BC = \sqrt{HB^2 + CH^2} = \sqrt{18^2 + 24^2} = 30\ cm$

$P = AB + CD + 2BC = 50 + 14 + 2 \cdot 30 = 64 + 60 = 124\ cm$