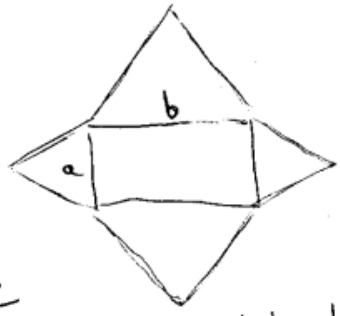


A) Perimeter of the bigger shape?

B) PROVE it

Givens

① The Δ's are equilateral

② $a + b = 10$

((eg: 5 & 5, 9 & 1, 6 & 4, etc)) then $P = 9+9+1+1+9+9+1+1 = 40$

OR

try 6 & 4

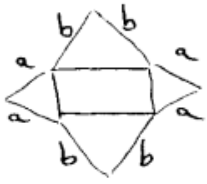
$P = 6+6+4+4+6+6+4+4 = 40$

(B) Proof that it is 40 for ANY combination of $a + b = 10$

↓

Show In general, Not just a few specific examples (definition of "proof")

→ if $a+b=10$ then $P = 4a + 4b$ →



$P = 4(a+b)$

$P = 4(10)$

$P = 40$ no matter what a & b are..!!