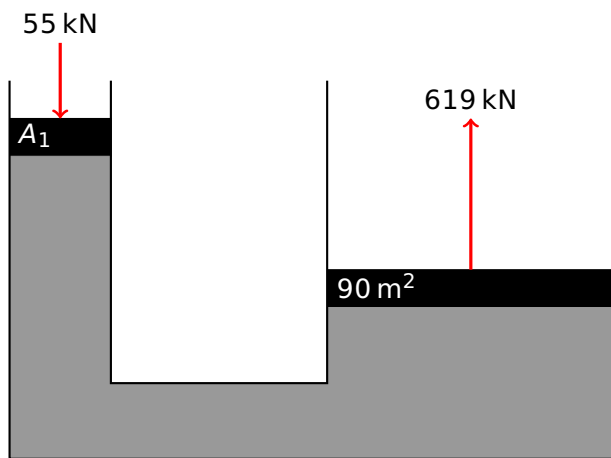
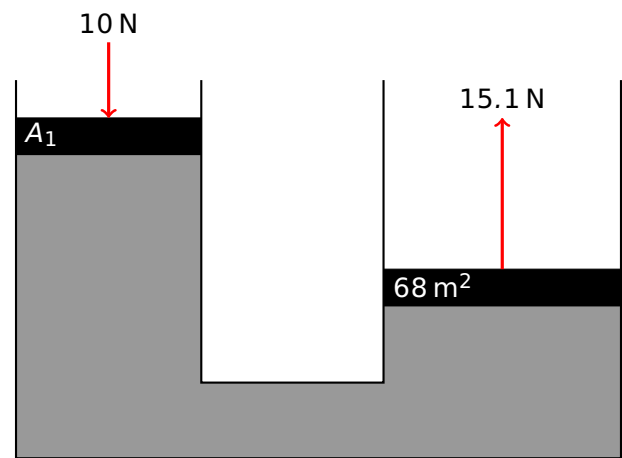


Calculate the unknown area in each of the hydraulic systems below;

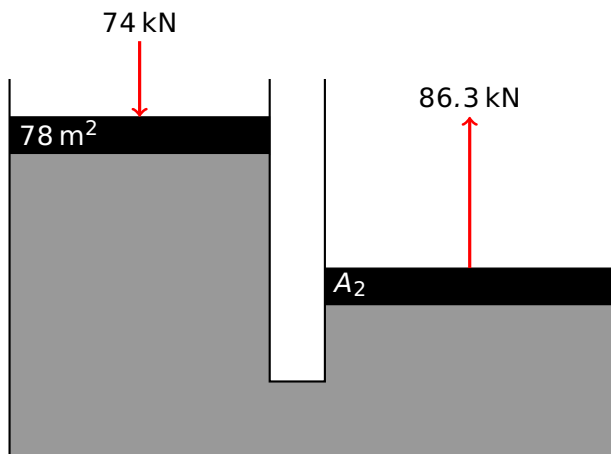
1)



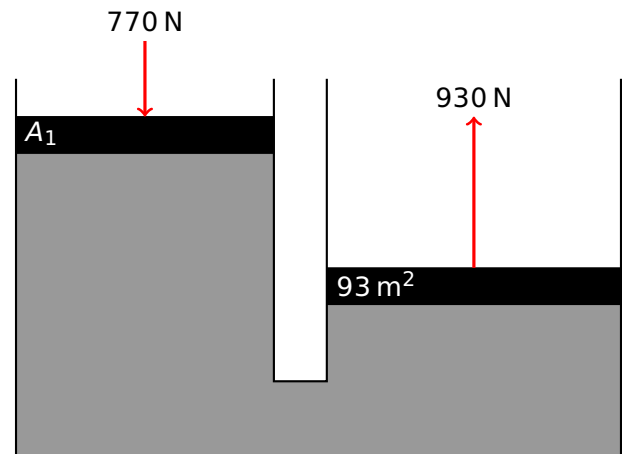
2)



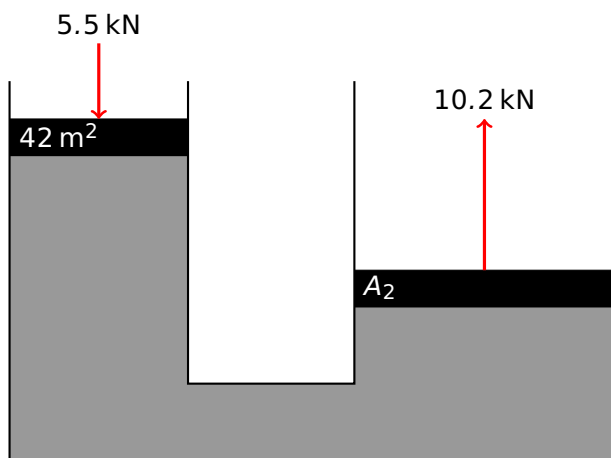
3)



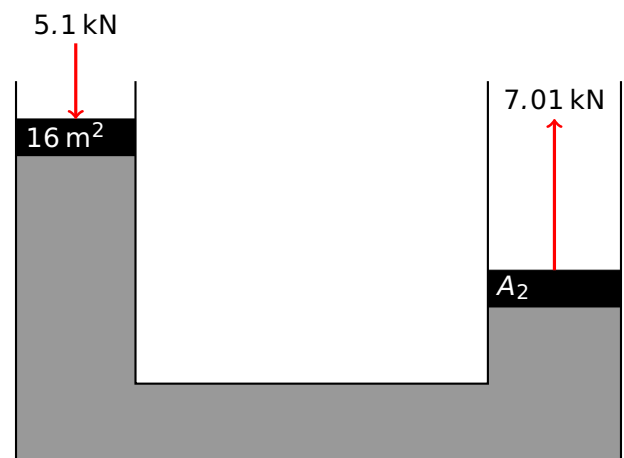
4)



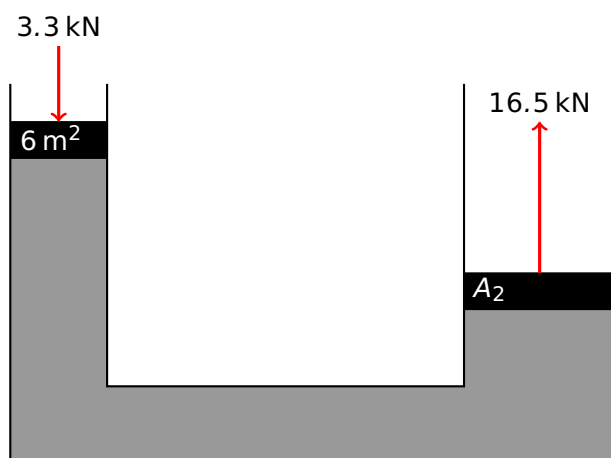
5)



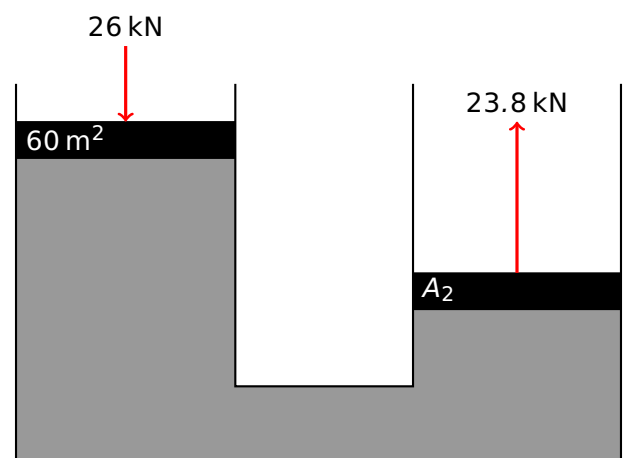
6)



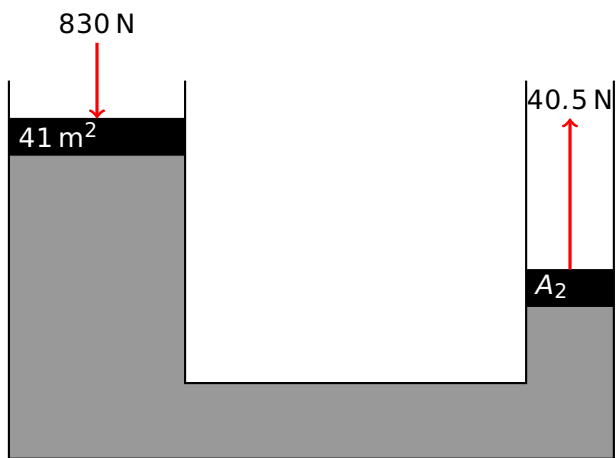
7)



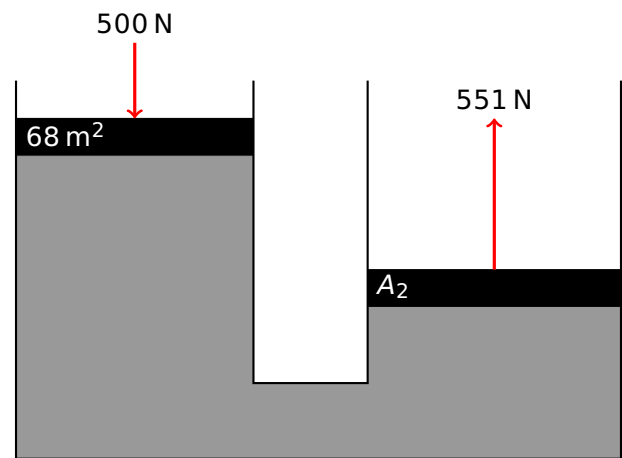
8)



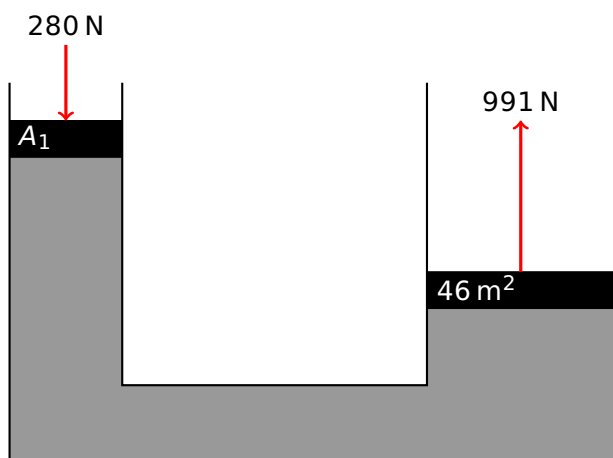
9)



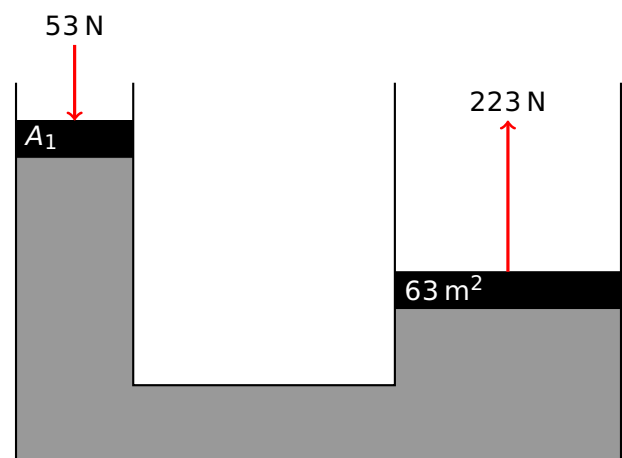
10)



11)



12)



Answers

- 1) $A_1 = 8 \text{ m}^2$
- 2) $A_1 = 45 \text{ m}^2$
- 3) $A_2 = 91 \text{ m}^2$
- 4) $A_1 = 77 \text{ m}^2$
- 5) $A_2 = 78 \text{ m}^2$
- 6) $A_2 = 22 \text{ m}^2$
- 7) $A_2 = 30 \text{ m}^2$
- 8) $A_2 = 55 \text{ m}^2$
- 9) $A_2 = 2 \text{ m}^2$
- 10) $A_2 = 75 \text{ m}^2$
- 11) $A_1 = 13 \text{ m}^2$
- 12) $A_1 = 15 \text{ m}^2$