

Solve each of the following conversion problems. Round answers to THREE SIGNIFICANT DIGITS and be sure to include the correct UNIT on your answer.

1. 7.53 atm to mm of Hg. _____

2. 165 torr to mm of Hg. _____

3. 1928 Pa to atm. _____

4. 315 kPa to atm. _____

5. 2.5 atm to torr. _____

6. 799 mm of Hg to kPa. _____

7. 535.1 kPa to psi. _____

8. 29.9 in of Hg to atm. _____

9. 686 torr to psi. _____

10. 3.98 atm to Pa. _____

1 atm = 760 mm Hg
1 atm = 760 torr
1 in Hg = 25.4 mm Hg

1 atm = 101325 Pa
1 atm = 101.325 kPa

1 atm = 14.7 psi
1 mm Hg = 1 torr