West Virginia CTE

Plumbing II

Plumbing Math 2082	1	**Use formulas** 2082.1
	2	**Add, subtract, multiply, and divide whole numbers and fractions** 2082.2
	3	**Convert measurements** 2082.3
	4	**Calculate slope and angles with a builder's level/laser** 2082.4
	5	**Size drain/waste lines and storm drains** 2082.5
General Plumbing Practices 2082	6	**Demonstrate blueprint reading** 2082.6
	7	**Interpret an isometric view of a drain, waste, and vent (DWV) system** 2082.7
	8	**Identify plumbing materials and fittings** 2082.8
	9	**Identify plumbing protection methods (i.e., fire caulk, nail plates)** 2082.9
	10	**Interpret manufacturer's specifications** 2082.10
	11	**Testing of Plumbing systems** 2082.11
Joining Pipes and Fittings 2082	12	**Join copper pipes, tubes, and fittings** 2082.12
	13	**Join plastic pipes and fittings** 2082.13
	14	**Join steel pipes and fittings** 2082.14
	15	**Join cast iron pipes and fittings** 2082.15
Drainage 2082	16	**Install drain/waste lines and storm drains (i.e., interior and exterior)** 2082.16
	17	**Describe sizing of basic drainage systems** 2082.17
	18	**Calculate proper pitch** 2082.18
	19	**Describe purpose and appropriate locations for clean-out** 2082.19
Ve		**Install a vent system for soil or waste drainage** 2082.20

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	21 Differentiate between types of vents and venting systems 2082.21
Traps 2082	22 Exhibit knowledge of trap function, installation, and placement 2082.22
	23 Distinguish between approved and non-approved traps 2082.23
	24 Identify trap components 2082.24
	25 Identify causes and prevention for trap seal loss 2082.25
Plumbing Service and Repair 2082	26 Display ethical practices in service and repair 2082.26
	27 Unclog drains and traps 2082.27
Apprenticeship Awareness 2082	28 Apprenticeship Basics 2082.28
What is Apprenticeship? 2082	29 Benefits of Apprenticeships 2082.29
	30 Businesses and Partners 2082.30
	31 Common Apprenticeship Myths 2082.31