MATHEMATICS FOR PLUMBERS AND PIPEFITTERS - 2013

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The _____ is a 90 drainage fitting which has an inside construction designed to cause as little turbulence as possible. - ✓✓ANSWER✓✓-tee wye

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When fitting pipe, a 1/8 bend is _____ degrees. - ✓✓ANSWER✓✓-45 degrees.

Volumes are often computed in cubic inches tor small quantities. The U.S. Bureau of Standards has set _____ cubic inches as a U.S. Gallon. - ✓✓ANSWER✓✓-231 cubic inches

According to MATH FOR PLUMBERS AND PIPEFITTERS in plumbing practice, water pressure is measured by a gauge or by the height, or _____. - ✓✓ANSWER✓✓-head

According to MATH FOR PLUMBERS AND PIPIFITTERS which of the following is not a method for cast iron pipe connections. - ✓✓ANSWER✓✓-soldered joint.

A _____ is waste and vent piping to connect a fixture at some distance from the stack - ✓✓ANSWER✓✓-loop

According to MATH FOR PLUMBERS AND PIPEFITTERS parallel offsets always have _____ and are used because of a neat appearance that saves space. - ✓✓ANSWER✓✓-parallel angles 1/2 of the offset angle.

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A pipe with a flange on each end is called a _____ . - ✓✓ANSWER✓✓-Spool piece.

A _____ is one that goes around a stack, tank, or other cylindrical object. The diagonals are usually at 45°. - ✓✓ANSWER✓✓-jumper offset

A Bench Mark is a station of known elevation often established by others. _____ establishes bench marks with elevations above sea level. - ✓✓ANSWER✓✓-The U.S. Coast & Geodetic Survey

A cast iron pipe has a fitting which makes an angle of 60° with the horizontal. The fitting is a _____ bend. - ✓✓ANSWER✓✓-1/6 bend

Using the reference MATHEMATICS FOR PLUMBERS AND PIPEFITTERS, determine the horizontal offset distance for a pipe installed at an angle of 22-1/2° with the horizontal and having a run of 5 feet. Select the closest answer. - ✓✓ANSWER✓✓-24 7/8

The capacity of a nominal 4" diameter water service main flowing at 8' per second is _____ . Assume standard weight pipe. - ✓✓ANSWER✓✓-between 300.1 and 325.0 gpm

According to MATHEMATICS FOR PLUMBERS AND PIPEFITTERS, how many 2" pipes will an 8" pipe supply? Do NOT allow for friction. - ✓✓ANSWER✓✓-16

According to MATHEMATICS FOR PLUMBER AND PIPEFITTERS, a _____ inch bit is required for drilling a hole (in wood) for the installation of a nominal 4" standard weight pipe. - ✓✓ANSWER✓✓-4 11/16"

According to MATHEMATICS FOR PLUMBERS AND PIPEFITTERS, the height of a roof with a span of 80' and 1/4 pitch is _____ feet. - ✓✓ANSWER✓✓-20 feet.

A 6" standard weight steel threaded pipe has _____ threads per inch. - ✓✓ANSWER✓✓-8

Using the reference MATHEMATICS FOR PLUMBERS AND PIPEFITTERS, determine the number of - ✓✓ANSWER✓✓-

According t o MATHEMATICS FOR PLUMBERS AND PIPEFITTERS, a _____ inch pipe will serve a toilet room which has thirty-two 1/2" branch lines. - ✓✓ANSWER✓✓-1 1/4

According to MATHEMATICS FOR PLUMBERS AND PIPEFITTERS, a 6" standard weight steel pipe installed with a run of 12'-6" and an offset of 12'-6" makes an angle of _____ degrees in a vertical run. - ✓✓ANSWER✓✓-45˚

According to MATHEMATICS FOR PLUMBERS AND PIPEFITTERS, a septic tank holding 8,078 gallons is 12' wide by 18' long. The depth of the tank is _____ feet. Select the closest answer. - ✓✓ANSWER✓✓-5

A nominal 5" hard drawn copper tube has an inside diameter of 4.805 inches. The tube is type _____ . - ✓✓ANSWER✓✓-K

The number of bolts required for a 4" cast iron screwed flange is _____ . - ✓✓ANSWER✓✓-8

Compute the wall thickness for a type DWV copper tube 2" nominal size. - ✓✓ANSWER✓✓-between 1/32 and 3/64.

According to MATHEMATICS FOR PLUMBERS AND PIPEFITTERS, a fitting that turns an angle of 22 1/2˚is called a _____ bend. - ✓✓ANSWER✓✓-1/16

A horizontal cylindrical storage tank 13' in diameter and 25' long is filled to a height of 4'. According to MATHEMATICS FOR PLUMBERS AND PIPEFITTERS, the volume of water in the tank is _____ gallons. - ✓✓ANSWER✓✓-between 6,000 and 8,000 gallons

Using the reference MATHEMATICS FOR PLUMBERS AND PIPEFITTERS, estimate the quantity of lead required to pour 6 joints of 2" pipe. Select the closest answer. - ✓✓ANSWER✓✓-9 punds

A 4" schedule 40 PVC water pipe is limited to _____ psi pressure. - ✓✓ANSWER✓✓-160 psi pressure.