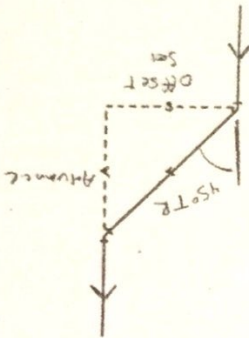


Do the numbers in the plumbers help manual represent relative to special right triangles?

45°
SINGLE PIPE OFFSET

18



- Formulas
- Travel = Set × 1.4142
 - Travel = Advance × 1.4142
 - Advance = Set × 1.00
 - Advance = Travel × .7071
 - Set = Advance × 1.00
 - Set = Travel × .7071

what does this represent?

Sample Problem
 Given T = 35" To Find A
 $A = 35" \times 1.4142 = 49.497"$ or $49\frac{1}{2}"$
 Arrow points to formula used.

what process does multiplying by .7071 represent to special rt Δ's?

30°
SINGLE PIPE OFFSET

17



- Formulas
- Travel = Set × 2.00
 - Travel = Advance × 1.1547
 - Advance = Set × 1.7321
 - Advance = Travel × .866
 - Set = Advance × .5774
 - Set = Travel × .500

what does this # represent in special right Δ's

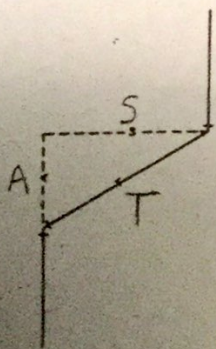
Sample Problem
 Given T = 62" To Find A
 $A = 62" \times .866 = 53.692"$ or $53\frac{1}{2}"$
 Arrow points to formula used.

what process does this number represent?

30° fittings are not stocked for either soil or screw pipe.

60°
SINGLE PIPE OFFSET

19



- Formulas
- Travel = Set × 1.1547
 - Travel = Advance × 2.00
 - Advance = Set × .5774
 - Advance = Travel × .500
 - Set = Advance × 1.7321
 - Set = Travel × .866

what is different about this one?

Sample Problem
 Given T = 47" To Find S
 $S = 47" \times .866 = 40.702"$ or $40\frac{1}{2}"$
 Arrow points to formula used.