

Nozzle Reaction Worksheet Answer Sheet

.0505 is the only number used during calculations of nozzle reaction that will extend beyond two decimal places

1. $.0505 \times 100 \times \sqrt{100} =$

$.0505 \times 100 \times 10 = \mathbf{50.5 \text{ lbs}}$

8. $1.57 \times 2^2 \times 80 =$

$1.57 \times 4 \times 80 = \mathbf{502.4 \text{ lbs}}$

2. $.0505 \times 1000 \times \sqrt{100} =$

$.0505 \times 1000 \times 10 = \mathbf{505 \text{ lbs}}$

9. $1.57 \times 1.62^2 \times 80 =$

$1.57 \times 2.62 \times 80 = \mathbf{329.07 \text{ lbs}}$

3. $.0505 \times 250 \times \sqrt{100} =$

$.0505 \times 250 \times 10 = \mathbf{126.25 \text{ lbs}}$

10. $1.57 \times .75^2 \times 50 =$

$1.57 \times .56 \times 50 = \mathbf{43.96 \text{ lbs}}$

4. $.0505 \times 350 \times \sqrt{100} =$

$.0505 \times 350 \times 10 = \mathbf{176.75 \text{ lbs}}$

5. $.0505 \times 600 \times \sqrt{100} =$

$.0505 \times 600 \times 10 = \mathbf{303 \text{ lbs}}$

6. $1.57 \times 1.12^2 \times 50 =$

$1.57 \times 1.25 \times 50 = \mathbf{98.12 \text{ lbs}}$

7. $1.57 \times 1.87^2 \times 80 =$

$1.57 \times 3.49 \times 80 = \mathbf{439.21}$