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1. What is the specific gravity of a 1 ft³ concrete block which weighs 145 lbs?
 2. What is the specific gravity of a chlorine solution if 1 (one) gallon weighs 10.2lbs?
 3. How much does each gallon of zinc orthophosphate weigh (pounds) if it has a specific gravity of 1.46?
 4. How much does a 55 gallon drum of 25% caustic soda weigh (pounds) if the specific gravity is 1.28?
 5. How much does each gallon of zinc orthophosphate weigh (pounds) if it has a specific gravity of 1.46?

Solution:

$$8.34 \frac{lb}{gal} * 1.46 = \boxed{12.18 \frac{lb}{gal}}$$

6. How much does a 55 gallon drum of 25% caustic soda weigh (pounds) if the specific gravity is 1.28?

Solution:

$$8.34 \frac{lb}{gal} * 1.28 * 55 gal = \boxed{12.18 \frac{lb}{gal}}$$