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Please read below for the formula to determine buoyancy.

If a man weighs 200 pounds on land, he only weighs 10 pounds in the water.

80% of the human body is water. Water in the body has no weight in the water.

$200 \text{ pounds} \times 80\% = 160 \text{ pounds}$
 $200 \text{ pounds} - 160 \text{ pounds} = 40 \text{ pounds}$

The human body is 15% fat, fat is lighter than water.

$200 \text{ pounds} \times 15\% = 30 \text{ pounds}$
 $40 \text{ pounds} - 30 \text{ pounds} = 10 \text{ pounds}$

A 200 pound person only weighs 10 pounds in the water.

A U.S.C.G. approved Type V work vests is mandated to have 17.5 pounds of buoyancy. Our Type V's regularly test at 18.5 - 20 pounds of buoyancy.

So.....,

If a man weighs 350 pounds on land, he only weighs:

80% of the human body is water. Water in the body has no weight in the water.

$350 \times 80\% = 280 \text{ pounds}$
 $350 \text{ pounds} - 280 \text{ pounds} = 70 \text{ pounds}$

The human body is 15% fat, fat is lighter than water.

$350 \text{ pounds} \times 15\% = 52.5 \text{ pounds}$
 $70 \text{ pounds} - 52.5 \text{ pounds} = 17.5 \text{ pounds}$

A 350 pound person weighs 17.5 pounds in the water.

Our Type V Work Vest is designed to support a minimum of 18.75 pounds in the water. Please see the attached Specification Sheet for buoyancy information.

Please let us know if we may be of additional assistance.