

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Score: \_\_\_\_\_

## Calculations Using Significant Figures

Perform the given operations expressing the answer in the correct number of significant figures.

a)  $505 \text{ kg} - 450.25 \text{ kg} =$  \_\_\_\_\_

b)  $2.5 \text{ l} - 1.25 \text{ l} =$  \_\_\_\_\_

c)  $4.89 \text{ g} + 1.9 \text{ g} + 3.506 \text{ g} =$  \_\_\_\_\_

d)  $432.5 \text{ ml} - 24.3984 \text{ ml} =$  \_\_\_\_\_

e)  $7.6924 \text{ ft} + 9.6 \text{ ft} - 4.888 \text{ ft} =$  \_\_\_\_\_

f)  $3.94 \text{ ml} + 68.77 \text{ ml} + 83.197 \text{ ml} =$  \_\_\_\_\_

g)  $9.7562 \text{ g} + 32.18 \text{ g} + 7.41 \text{ g} =$  \_\_\_\_\_

h)  $5.00009 \text{ g} \times 0.06 \text{ g} =$  \_\_\_\_\_

i)  $500000 \text{ g} \div 5.002 \text{ g} =$  \_\_\_\_\_

j)  $204.17 \text{ ml} \div 3.2 \text{ ml} =$  \_\_\_\_\_

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# Calculations Using Significant Figures

## Answers

a)  $505 \text{ kg} - 450.25 \text{ kg} = \underline{55 \text{ kg}}$

b)  $2.5 \text{ l} - 1.25 \text{ l} = \underline{1.3 \text{ l}}$

c)  $4.89 \text{ g} + 1.9 \text{ g} + 3.506 \text{ g} = \underline{10.3 \text{ g}}$

d)  $432.5 \text{ ml} - 24.3984 \text{ ml} = \underline{408.1 \text{ ml}}$

e)  $7.6924 \text{ ft} + 9.6 \text{ ft} - 4.888 \text{ ft} = \underline{12.4 \text{ ft}}$

f)  $3.94 \text{ ml} + 68.77 \text{ ml} + 83.197 \text{ ml} = \underline{155.91 \text{ ml}}$

g)  $9.7562 \text{ g} + 32.18 \text{ g} + 7.41 \text{ g} = \underline{49.35 \text{ g}}$

h)  $5.00009 \text{ g} \times 0.06 \text{ g} = \underline{0.3 \text{ g}}$

i)  $500000 \text{ g} \div 5.002 \text{ g} = \underline{100,000 \text{ g}}$

j)  $204.17 \text{ ml} \div 3.2 \text{ ml} = \underline{64 \text{ ml}}$