**Multiple Choice**

|  |  |
| --- | --- |
| **1.** | **Round** $0.009$ **to the nearest hundredth.** |
|  | **a.)** $0.001$ | **b.)** $0.01$ |
|  | **c.)** $0.0001$ | **d.)** $0.1$ |

|  |  |
| --- | --- |
| **2.** | **Round** $1.099$ **to the nearest tenth.** |
|  | **a.)** $1.09$ | **b.)** $1.99$ |
|  | **c.)** $1.100$ | **d.)** $1.019$ |

|  |  |
| --- | --- |
| **3.** | **For** $98+21$ **the best estimate is:** |
|  | **a.)** $120$ | **b.)** $100$ |
|  | **c.)** $110$ | **d.)** $ 130$ |

**4. Estimate the answer using cluster estimation.**

|  |  |  |
| --- | --- | --- |
|  |  $120+99+112+106=$ |  |

**5. Solve the problem using estimation.**

|  |  |
| --- | --- |
|  | At the grocery store Phil fills his cart with items that cost:$ \$2.99$**,**$ \$2.49$**,**$ \$6.99$**,** $\$1.69$**,** $\$7.79$. About how much money will he need to hand the cashier? |
|  |  |

**ANSWERS**

**Multiple Choice**

|  |  |
| --- | --- |
| **1.** | **Round** $0.009$ **to the nearest hundredth.** |
|  | **a.)** $0.001$ | **b.)** $0.01$ |
|  | **c.)** $0.0001$ | **d.)** $0.1$ |

|  |  |
| --- | --- |
| **2.** | **Round** $1.099$ **to the nearest tenth.** |
|  | **a.)** $1.09$ | **b.)** $1.99$ |
|  | **c.)** $1.100$ | **d.)** $1.019$ |

|  |  |
| --- | --- |
| **3.** | **For** $98+21$ **the best estimate is:** |
|  | **a.)** $120$ | **b.)** $100$ |
|  | **c.)** $110$ | **d.)** $ 130$ |

**4. Estimate the answer using cluster estimation.**

|  |  |  |
| --- | --- | --- |
|  |  $120+99+112+106=$ | $$ 120+99+112+106=$$Notice that they all cluster around$ 100$**.**$ 100+100+100+100=$$4\*100=400$Real answer:$$ 120+99+112+106=437$$ |

**5. Solve the problem using estimation.**

|  |  |
| --- | --- |
|  | At the grocery store Phil fills his cart with items that cost:$ \$2.99$**,**$ \$2.49$**,**$ \$6.99$**,**$ \$1.69$**,** $\$7.79$. About how much money will he need to hand the cashier? |
|  | $\$2.99\rightarrow \$3$**,** $ \$3+\$3+\$7+\$2+\$8=\$23$$$\$2.49\rightarrow \$3$$$$\$6.99\rightarrow \$7$$$$\$1.69\rightarrow \$2$$$\$7.79\rightarrow \$8$ If Phil has at least $\$23$, he knows he has enough money to pay for these groceries. |