

ROUNDING EXERCISE ANSWER KEY

Estimate the following series of numbers using both the rounding methods:
(Note: Round the series to the nearest whole number.)

1. $100.65 + 100.33 + 100.21 + 100.01 + 100.99$

$$\begin{aligned} \text{Rounding} &= 101 + 100 + 100 + 100 + 101 = 502 \\ \text{Estimation} &= 100 + 100 + 100 + 100 + 101 = 501 \end{aligned}$$

2. $101.67 + 100.77 + 100.85 + 100.00 + 100.26$

$$\begin{aligned} \text{Rounding} &= 102 + 101 + 101 + 100 + 100 = 504 \\ \text{Estimation} &= 102 + 101 + 101 + 100 + 100 = 504 \end{aligned}$$

3. $100.66 + 100.20 + 100.54 + 100.32 + 100.71$

$$\begin{aligned} \text{Rounding} &= 101 + 100 + 101 + 100 + 101 = 503 \\ \text{Estimation} &= 100 + 100 + 100 + 100 + 100 = 500 \end{aligned}$$

4. $10.432 + 17.487 + 1.509 + 10.600 + 10.771$

$$\begin{aligned} \text{Rounding} &= 10 + 17 + 2 + 11 + 11 = 51 \\ \text{Estimation} &= 10 + 17 + 1 + 10 + 10 = 48 \end{aligned}$$

5. Sally is in charge of the office supply ordering for MP Printing. Her boss, Jack, asks Sally to give him a rounded estimate of costs for the last month immediately for a business meeting. No time for an exact answer, just off her accounts payable sheet! Sally glances over the below entries and in rounding them:

Week #1= 250.12 (250.00)

Week #2= 350.27 (350.00)

Week #3= 900.08 (900.00)

Week #4= 100.02 (100.00)

Her answer is:

a. Around \$ 1600.00