Affirm Mid-Module 3 Review

1.   Erin's rectangular countertop is 2 feet wide. It is 4 times as long as it is wide. Find the length and area of Erin's countertop. Use the space below to show your work.

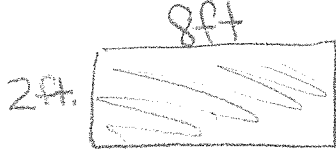$2 \times 4 = 8$

The length of Erin's countertop is ___8___ feet.

$A = L \times W$

The area of Erin's countertop is ___16___ square feet. $= 8 \times 2$

$= 16$

8ft

2ft

2.   Determine the area and perimeter of the rectangle shown below. Show your work.

18 cm

9cm

$A = L \times W$

18×9

$\begin{array}{r} 18 \\ \times\ 9 \\ \hline 162 \end{array}$

$P = L + W + L + W$

$= 18 + 9 + 18 + 9$

$= 54$

$\begin{array}{r} 7 \\ 18 \\ \times\ 9 \\ \hline 162 \end{array}$

The perimeter of the rectangle is ___54___ centimeters..

The area of the rectangle is ___162___ square centimeters.

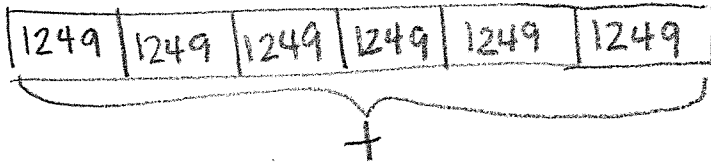Solve the following, find the product, and show your work.

3.

5 * 531

$\begin{array}{r} 531 \\ \times\ \ 5 \\ \hline 2,655 \end{array}$

4.

349 * 3

$\begin{array}{r} 1\ 2 \\ 349 \\ \times\ \ \ 3 \\ \hline 1,047 \end{array}$

5. One airline ticket costs $1249. How much will 6 tickets cost? Use paper to show your work.

| 1249 | 1249 | 1249 | 1249 | 1249 | 1249 |

$$\begin{array}{r} 1\overset{2}{2}\overset{5}{4}9 \\ \times \quad 6 \\ \hline 7494 \end{array}$$

Six tickets will cost $7,494.

6. Amaya read 94 pages last week. Amaya's older brother, Rogelio, read 75 more pages in the same amount of time. Their big sister, Elianna, is in high school and read 4 times as many pages as Rogelio did. How many pages did Elianna read? Show your work below to answer.

A | 94 |

R | 94 | 75 |
   169

E | | | | |

$$\begin{array}{r} 94 \\ + 75 \\ \hline 169 \end{array} - R$$

$$\begin{array}{r} \overset{2}{1}\overset{3}{6}9 \\ \times \quad 4 \\ \hline 676 \end{array}$$

P

Elianna read 676 pages.

7. Penelope jumps 176 on her jump rope. Harriet jumps 37 more than Penelope. Lena jumps twice as much as Harriet. How many jumps does Lena do using her jump rope? Show your work below.

P | 176 |

H | 176 | 37 |
   213

L | | |
   426

$$\begin{array}{r} 1\overset{1}{7}6 \\ + 37 \\ \hline 213 \end{array}$$

$$\begin{array}{r} 213 \\ \times \quad 2 \\ \hline 426 \end{array}$$

Lena jumps 426 jumps using her jump rope.