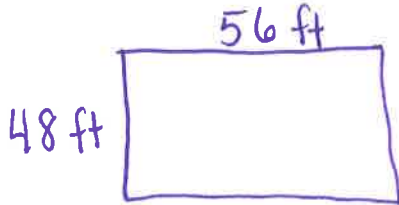


Name _____

Date _____

Solve.

1. An office space in New York City measures 48 feet by 56 feet. If it sells for \$565 per square foot, what is the total cost of the office space?



Area = length \times width ($A = l \times w$)

$A = 56 \times 48$

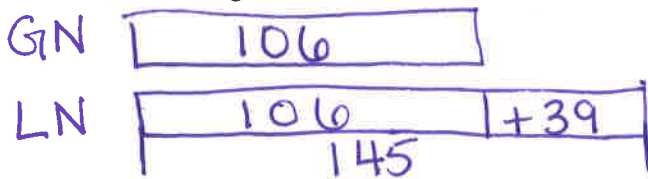
$A = 2688 \text{ ft}^2$

$2688 \times 565 =$

$1,518,720$

The total cost of the office space is \$1,518,720

2. Gemma and Leah are both jewelry makers. Gemma made 106 beaded necklaces. Leah made 39 more necklaces than Gemma.
- a. Each necklace they make has exactly 104 beads on it. How many beads did both girls use altogether while making their necklaces?



$$\begin{array}{r} 106 \\ + 39 \\ \hline 145 \end{array}$$

$$\begin{array}{r} 106 \\ + 145 \\ \hline 251 \end{array}$$

Both girls used 26,104 beads

- b. At a recent craft fair, Gemma sold each of her necklaces for \$14. Leah sold each of her necklaces for \$10 more. Who made more money at the craft fair? How much more?

$G = (106 \times 14) =$

$L = [145 \times (14 + 10)]$

$145 \times 24 =$

Leah made more
by \$1,996

$$\begin{array}{r} 2137 \\ 3480 \\ - 1484 \\ \hline 1996 \end{array}$$

3. Peng bought 26 treadmills for her new fitness center at \$1,334 each. Then, she bought 19 stationary bikes for \$749 each. How much did she spend on her new equipment? Write an expression, and then solve.

$$\begin{array}{r} (26 \times 1334) + (19 \times 749) \\ 34,684 + 14,231 \end{array}$$

Peng spent \$48,915 on new equipment

4. A Hudson Valley farmer has 26 employees. He pays each employee \$410 per week. After paying his workers for one week, the farmer has \$162 left in his bank account. How much money did he have at first?

5. Frances is sewing a border around 2 rectangular tablecloths that each measure 9 feet long by 6 feet wide. If it takes her 3 minutes to sew on 1 inch of border, how many minutes will it take her to complete her sewing project? Write an expression, and then solve.

3.

$$\begin{array}{r} 8 \\ \times 2 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 80 \\ + 16 \\ \hline 96 \end{array}$$

$$\begin{array}{r} 800 \\ + 160 \\ \hline 960 \end{array}$$

$$\begin{array}{r} 8000 \\ + 1600 \\ \hline 9600 \end{array}$$

$$\begin{array}{r} 80000 \\ + 16000 \\ \hline 96000 \end{array}$$

$$34684$$

$$+ 14231$$

$$\hline 48915$$

$$\begin{array}{r} 749 \\ \times 219 \\ \hline 1498 \end{array}$$

$$\begin{array}{r} 14980 \\ + 149800 \\ \hline 164780 \end{array}$$

$$\begin{array}{r} 1498000 \\ + 14980000 \\ \hline 16478000 \end{array}$$

$$\begin{array}{r} 14980000 \\ + 149800000 \\ \hline 164780000 \end{array}$$

$$\begin{array}{r} 149800000 \\ + 1498000000 \\ \hline 1647800000 \end{array}$$

$$\begin{array}{r} 1498000000 \\ + 14980000000 \\ \hline 16478000000 \end{array}$$

M2L9 - Word Problems

Fluency

$$45 \text{ tenths} = 4.5 \times 10^2 = 450$$

$$4 \text{ tenths} = 0.4 \times 10^2 = 40$$

$$3895 \text{ thousandths} = 3.895 \times 10^3 = 3895$$

$$5,472 \text{ ones} = 5472 \div 10^3 = 5.472$$

$$412 \times 231 \approx 400 \times 200 = 80,000$$

$$523 \times 298 \approx 500 \times 300 = 150,000$$

$$684 \times 347 \approx 700 \times 300 = 210,000$$

$$908 \times 297 \approx 900 \times 300 = 270,000$$

MISLE - Word Problems

Fluently

$$\begin{aligned}
 45 \text{ tenths} &= 4.5 \times 10^2 = 450 \\
 4 \text{ tenths} &= 0.4 \times 10^2 = 40 \\
 382 \text{ thousandths} &= 3.82 \times 10^3 = 382 \\
 245 \text{ ones} &= 245 \div 10^2 = 2.45
 \end{aligned}$$

$$\begin{aligned}
 112 \times 931 &\approx 400 \times 900 = 360,000 \\
 252 \times 992 &\approx 200 \times 1000 = 200,000 \\
 108 \times 918 &\approx 100 \times 900 = 90,000 \\
 908 \times 809 &\approx 900 \times 800 = 720,000
 \end{aligned}$$