

**Anna earns \$563 each week at the restaurant. How much does she make in:**

10 weeks:

\_\_\_\_\_

How many shifts happened? \_\_\_\_\_

1,000 weeks:

\_\_\_\_\_

How many shifts happened? \_\_\_\_\_

100 weeks:

\_\_\_\_\_

How many shifts happened? \_\_\_\_\_

**Rewrite these equations using exponents.**

1.  $5 \times 10 \times 10 \times 10 \times 10 \times 10 =$  \_\_\_\_\_

2.  $8 \times 10 \times 10 \times 10 =$  \_\_\_\_\_

3.  $14 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 =$  \_\_\_\_\_

**Solve.**

1.  $4 \times 10^5 =$  \_\_\_\_\_

2.  $25 \times 10^3 =$  \_\_\_\_\_

3.  $16 \times 10^4 =$  \_\_\_\_\_

**Solve using the method that works best for you!** (“old-fashioned”, place value/area model with 4 boxes, 2 boxes, zero pattern rules, etc.)

1. 88

$$\begin{array}{r} \times 25 \\ \hline \end{array}$$

6. 18

$$\begin{array}{r} \times 70 \\ \hline \end{array}$$

2. 54

$$\begin{array}{r} \times 29 \\ \hline \end{array}$$

7. 900

$$\begin{array}{r} \times 3 \\ \hline \end{array}$$

3. 25

$$\begin{array}{r} \times 60 \\ \hline \end{array}$$

8. 80

$$\begin{array}{r} \times 40 \\ \hline \end{array}$$

4. 35

$$\begin{array}{r} \times 28 \\ \hline \end{array}$$

9. 23

$$\begin{array}{r} \times 5 \\ \hline \end{array}$$

5. 93

$$\begin{array}{r} \times 95 \\ \hline \end{array}$$

10. 65

$$\begin{array}{r} \times 30 \\ \hline \end{array}$$