

Name _____

Date _____

Directions: Solve the word problems using the bar model.

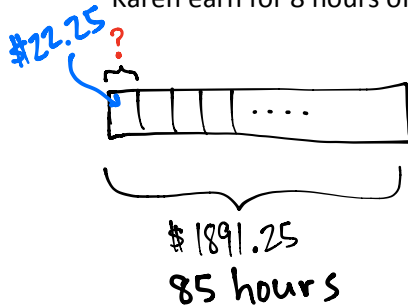
1. Michelle wants to save \$150 for a trip to Six Flags Amusement Park. If she saves \$12 each week, how many weeks will it take her to save enough money for the trip?



$$\begin{array}{r} 12 \overline{) 150.0} \\ \underline{-12} \\ 30 \\ \underline{-24} \\ 60 \\ \underline{-60} \\ 0 \end{array}$$

It will take 13 weeks to save enough.

2. Karen works for 85 hours over a two week period. She earns \$1,891.25 over this period. How much does Karen earn for 8 hours of work?

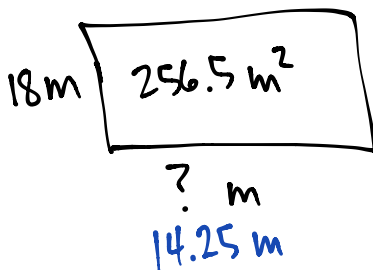


$$\begin{array}{r} 22.25 \\ 85 \overline{) 1891.25} \\ \underline{170} \\ 191 \\ \underline{-170} \\ 212 \\ \underline{-170} \\ 425 \\ \underline{-425} \\ 0 \end{array}$$

$$\begin{array}{r} 22.25 \\ \times 8 \\ \hline 178.00 \end{array}$$

\$178

3. The area of a rectangle is 256.5 m^2 . If the length is 18 m, what is the perimeter of the rectangle?



$$\begin{array}{r} 14.25 \\ 18 \overline{) 256.50} \\ \underline{18} \\ 76 \\ \underline{-72} \\ 45 \\ \underline{-36} \\ 90 \\ \underline{-90} \\ 0 \end{array}$$

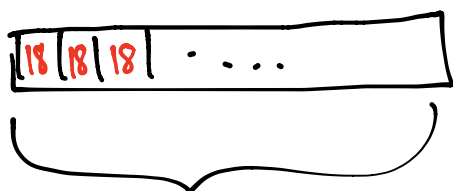
$$(14.25 \times 2) + (18 \times 2)$$

$$28.5 + 36$$

$$\begin{array}{r} 28.5 \\ + 36 \\ \hline 64.5 \end{array}$$

64.5 m

4. Tyler baked 702 cookies. He sold them in boxes of 18. After selling all the boxes of cookies, he earned \$136.50. What was the cost of one box of cookies?



702 cookies
? boxes

$$\begin{array}{r} 39 \text{ boxes} \\ 18 \overline{) 702} \\ \underline{54} \\ 162 \\ \underline{-162} \\ 0 \end{array}$$

$$\begin{array}{r} 3.50 \\ 39 \overline{) 136.50} \\ \underline{117} \\ 195 \\ \underline{-195} \\ 0 \end{array}$$

One box costs \$3.50

5. A park is 4 times as long as it is wide. If the distance around the park is 12.5 kilometers, what is the area of the park?

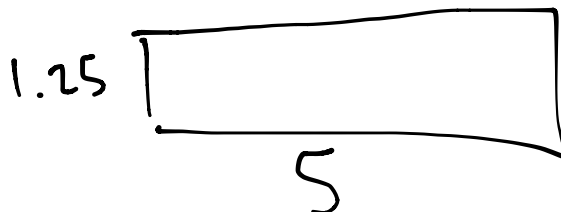


length = 1 unit
width = 4 units
perimeter = 10 units

$$12.5 \div 10 = 1.25$$

Each unit is 1.25 km long.

$$\begin{array}{r} 1.25 \\ \times 4 \\ \hline 5.00 \end{array}$$



$$\begin{array}{r} 1.25 \\ \times 5 \\ \hline 6.25 \end{array}$$

Area is 6.25 km²