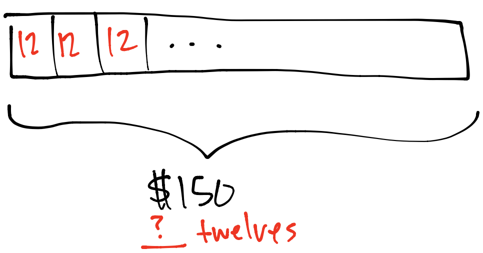
Name ____________________________________ Date ____________________

Directions: Solve the word problems using the bar model.

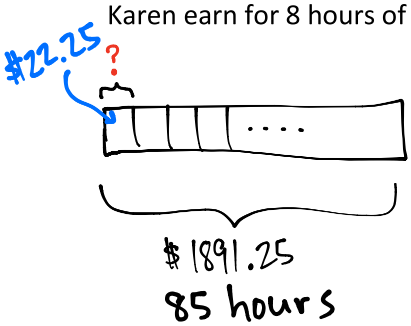
1. Michelle wants to save $150 for a trip to Six Flags Amusement Park. If she saves $12 each week, how many weeks will it take her to save enough money for the trip?



12.5
12) 150.0
−12
30
−24
60
−60
0

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?

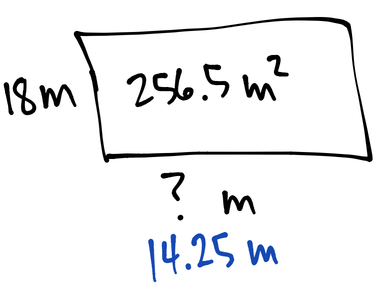


22.25
85) 1891.25
170
191
−170
212
−170
425
−425
0

22.25
× 8
178.00

$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?

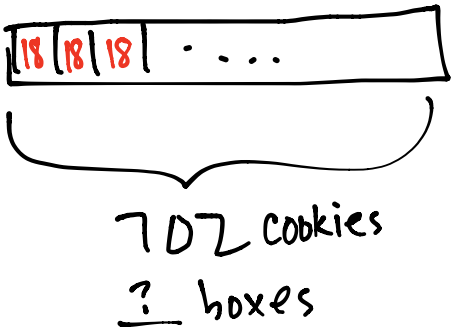


14.25
18) 256.50
18
76
−72
45
−36
90
−90
0

(14.25 × 2) + (18 × 2)
28.5 + 36
64.5 m

28.5
+ 36
64.5

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?



39 boxes
18 ⟌ 702
54
162
−162
0

3.50
39 ⟌ 136.50
117
195
− 195
0

One box costs $3.50

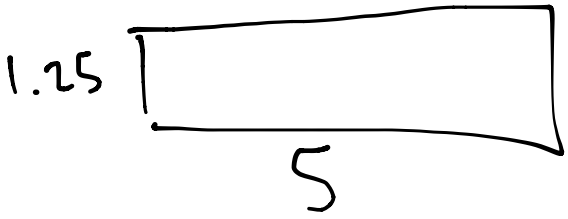
5. A park is 4 times as long as it is wide. If the distance around the park is 12.5 kilometers, what is the area of the park?

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

12.5 ÷ 10 = 1.25

Each unit is 1.25 km long.

1.25
× 4
5.00



1.25
× 5
6.25

Area is 6.25 km^2