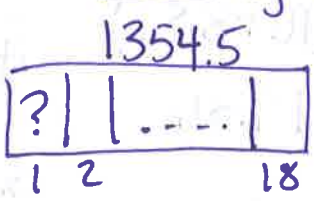
Name _____ Date _____

Solve.

1. Lamar has 1,354.5 kilograms of potatoes to deliver equally to 18 stores. 12 of the stores are in the Bronx. How many kilograms of potatoes will be delivered to stores in the Bronx?

903 Kg of potatoes delivered to the Bronx.



75.25 kg

$$\begin{array}{r} 75.25 \\ 18\overline{)1354.50} \\ 126\downarrow \\ \hline 94 \\ -90\downarrow \\ \hline 345 \\ -36\downarrow \\ \hline 90 \\ -90 \\ \hline 0 \end{array}$$

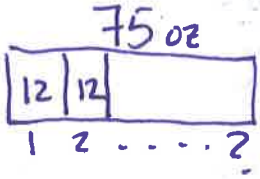
$$\begin{array}{r} \overset{1}{7}\overset{1}{5}.\overset{1}{2}5 \\ \times\quad 12 \\ \hline 15050 \\ +\,75250 \\ \hline 903.00 \end{array}$$

(×100) (÷100)

$$\begin{array}{r} 5 \\ 18 \\ \hline 7 \\ 126 \\ \hline 4 \\ 18 \\ \hline 5 \\ 90 \\ \hline 18 \\ \hline 2 \\ 36 \end{array}$$

2. Valerie uses 12 fluid oz of detergent each week for her laundry. If there are 75 fluid oz of detergent in the bottle, in how many weeks will she need to buy a new bottle of detergent? Explain how you know.

Valerie will need detergent in 6 weeks.



$$\begin{array}{r} 6.25 \\ 12\overline{)75.00} \\ 72 \\ \hline 30 \\ -24 \\ \hline 60 \\ -60 \\ \hline 0 \end{array}$$

Valerie will need to buy a new bottle after 6 weeks. She will have a little detergent left over, but not enough for week 7.

3. The area of a rectangle is 56.96 m^2. If the length is 16 m, what is its perimeter?

16
(W) | 56.96 | 3.56 m

$A = l \times w$

$\frac{56.96}{16} = \frac{16 \times w}{16}$

3.56
16 ⟌ 56.96
-48
89
-80
96
-96
0

The perimeter is 39.12 m.

$P = 2 \times (l + w)$

$2 \times (16 + 3.56)$

$P = 2 \times 19.56$

$P = 39.12$

19.56 × 2 = 39.12

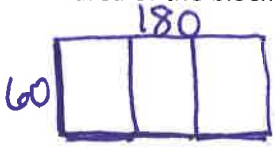
16 × 3 = 48

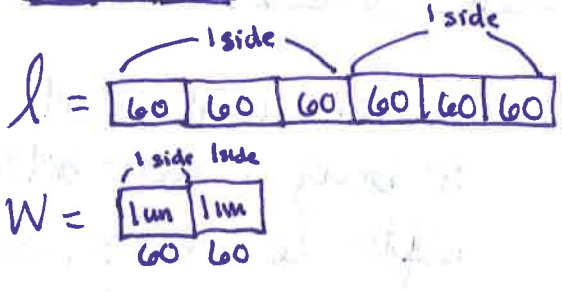
16 × 5 = 80

16 × 6 = 96

4. A city block is 3 times as long as it is wide. If the distance around the block is 0.48 kilometers, what is the area of the block in square meters?

Area of block = _____ m





480 m
0.48 Km

0.48 Km = 480 m

E 0.48 × (1 Km)

C 0.48 × 1000

A 480 m

60
8 ⟌ 480
48
00
0
0

4 × 18 = 108

$A = 180 \times 60$

108×100

10800 m

M2·L29 · Word Problems

Application Problem

The cost of an individual magazine at the store would be $4.99.

cost of mag. | 259.48 | 39.95 | 219.53

219.53
+ 39.95
259.48

52 52 52
× 4 × 5 × 9
208 260 468

4.99
52 | 259.48
208 ↓
468 ↓
468
-468
0

16
3.5 | 56.96 | 3.56
16