

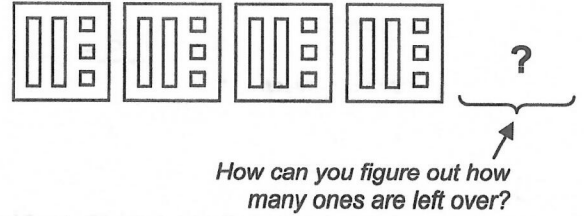
Step 5: Inez finds the number of ones she can put in each group by dividing 13 by 4.

$$\begin{array}{r}
 23 \\
 4 \overline{) 93} \\
 \underline{-8} \\
 13
 \end{array}$$

$13 \div 4 = 3$

She can put 3 ones blocks in each group.

In the model:



8. Carry out the first five steps of the long division.

a)
$$\begin{array}{r}
 \\
 3 \overline{) 76} \\
 \underline{} \\

 \end{array}$$

b)
$$\begin{array}{r}
 \\
 5 \overline{) 75} \\
 \underline{} \\

 \end{array}$$

c)
$$\begin{array}{r}
 \\
 2 \overline{) 55} \\
 \underline{} \\

 \end{array}$$

d)
$$\begin{array}{r}
 \\
 4 \overline{) 51} \\
 \underline{} \\

 \end{array}$$

e)
$$\begin{array}{r}
 \\
 3 \overline{) 42} \\
 \underline{} \\

 \end{array}$$

f)
$$\begin{array}{r}
 \\
 7 \overline{) 75} \\
 \underline{} \\

 \end{array}$$

g)
$$\begin{array}{r}
 \\
 2 \overline{) 91} \\
 \underline{} \\

 \end{array}$$

h)
$$\begin{array}{r}
 \\
 3 \overline{) 96} \\
 \underline{} \\

 \end{array}$$

i)
$$\begin{array}{r}
 \\
 9 \overline{) 92} \\
 \underline{} \\

 \end{array}$$

j)
$$\begin{array}{r}
 \\
 2 \overline{) 73} \\
 \underline{} \\

 \end{array}$$

Steps 6 and 7:

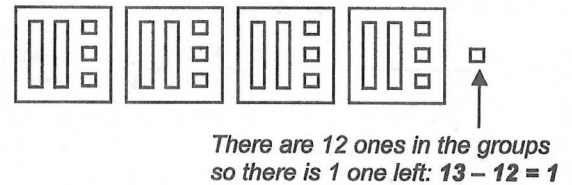
$$\begin{array}{r}
 \times \\
 23 \\
 4 \overline{) 93} \\
 \underline{-8} \\
 13 \\
 \underline{-12} \\
 1
 \end{array}$$

There are 3 ones in each group... and there are 4 groups.

So there are 12 ones altogether in the groups ($3 \times 4 = 12$).

There were 13 ones so there is 1 one left over ($13 - 12 = 1$).

In the model:



The division statement and the model both show that Inez can give each class 23 apples with one left over.

9. Carry out all seven steps of the long division.

a)
$$\begin{array}{r}
 \\
 3 \overline{) 74} \\
 \underline{} \\
 \\
 \underline{} \\

 \end{array}$$

b)
$$\begin{array}{r}
 \\
 4 \overline{) 54} \\
 \underline{} \\
 \\
 \underline{} \\

 \end{array}$$

c)
$$\begin{array}{r}
 \\
 2 \overline{) 27} \\
 \underline{} \\
 \\
 \underline{} \\

 \end{array}$$

d)
$$\begin{array}{r}
 \\
 5 \overline{) 70} \\
 \underline{} \\
 \\
 \underline{} \\

 \end{array}$$

e)
$$\begin{array}{r}
 \\
 4 \overline{) 90} \\
 \underline{} \\
 \\
 \underline{} \\

 \end{array}$$

f)
$$\begin{array}{r} \\ 5 \overline{) 84} \\ \underline{0} \\ 4 \\ \underline{0} \\ 4 \end{array}$$

g)
$$\begin{array}{r} \\ 4 \overline{) 64} \\ \underline{0} \\ 4 \\ \underline{0} \\ 4 \end{array}$$

h)
$$\begin{array}{r} \\ 3 \overline{) 96} \\ \underline{0} \\ 6 \\ \underline{0} \\ 6 \end{array}$$

i)
$$\begin{array}{r} \\ 6 \overline{) 89} \\ \underline{0} \\ 9 \\ \underline{0} \\ 9 \end{array}$$

j)
$$\begin{array}{r} \\ 7 \overline{) 97} \\ \underline{0} \\ 7 \\ \underline{0} \\ 7 \end{array}$$

k)
$$\begin{array}{r} \\ 2 \overline{) 75} \\ \underline{0} \\ 5 \\ \underline{0} \\ 5 \end{array}$$

l)
$$\begin{array}{r} \\ 3 \overline{) 81} \\ \underline{0} \\ 1 \\ \underline{0} \\ 1 \end{array}$$

m)
$$\begin{array}{r} \\ 6 \overline{) 80} \\ \underline{0} \\ 0 \\ \underline{0} \\ 0 \end{array}$$

n)
$$\begin{array}{r} \\ 4 \overline{) 62} \\ \underline{0} \\ 2 \\ \underline{0} \\ 2 \end{array}$$

o)
$$\begin{array}{r} \\ 8 \overline{) 97} \\ \underline{0} \\ 7 \\ \underline{0} \\ 7 \end{array}$$

10. Sandra put 62 tomatoes into cartons of 5.
How many tomatoes did she have left over?

$$\begin{array}{r} \\ \overline{) } \\ \underline{0} \\ \\ \underline{0} \\ \\ \underline{0} \\ \end{array}$$

11. How many weeks are there in 84 days?

$$\begin{array}{r} \\ \overline{) } \\ \underline{0} \\ \\ \underline{0} \\ \\ \underline{0} \\ \end{array}$$

12. A pentagon has a perimeter of 95 cm.
How long is each side?

$$\begin{array}{r} \\ \overline{) } \\ \underline{0} \\ \\ \underline{0} \\ \\ \underline{0} \\ \end{array}$$

13. Shawn can hike 8 km in a day.
How many days will it take him to hike 96 km?

$$\begin{array}{r} \\ \overline{) } \\ \underline{0} \\ \\ \underline{0} \\ \\ \underline{0} \\ \end{array}$$

14. A boat can hold 6 kids.
How many boats will 84 kids need?

15. Alexa put 73 apples in bags of 6.
Mike put 46 apples in bags of 4.
Who had more apples left over?