

Inez is preparing snacks for 4 classes. She needs to divide 93 apples into 4 groups.



She will use long division and a model to solve the problem.

Step 1:

Inez writes the number of groups she wants to make here.

$$\begin{array}{r} 2 \\ 4 \overline{) 93} \end{array}$$

There are 9 tens blocks in the model.

There are 3 ones blocks.

She can put 2 tens blocks in each group ($9 \div 4 = 2$).

Inez makes a model of the problem:

93 = 9 tens + 3 ones

Inez can divide 8 of the 9 tens blocks into 4 equal groups of size 2:

1. Inez has written a division statement to solve a problem. How many groups does she want to make? How many tens blocks and how many ones would she need to model the problem?

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|--------------------------|---------------------------|---------------------------|---------------------------|
| a) $3 \overline{) 85}$ | b) $4 \overline{) 92}$ | c) $5 \overline{) 86}$ | d) $2 \overline{) 87}$ |
| groups <u> 3 </u> | groups <u> </u> | groups <u> </u> | groups <u> </u> |
| tens blocks <u> 8 </u> | tens blocks <u> </u> | tens blocks <u> </u> | tens blocks <u> </u> |
| ones <u> 5 </u> | ones <u> </u> | ones <u> </u> | ones <u> </u> |

2. How many tens blocks can be put in each group? Use division or skip counting to find the answers.

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|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| a) $3 \overline{) \begin{array}{ c } \hline 2 \\ \hline 75 \end{array}}$ | b) $4 \overline{) \begin{array}{ c } \hline \square \\ \hline 93 \end{array}}$ | c) $5 \overline{) \begin{array}{ c } \hline \square \\ \hline 62 \end{array}}$ | d) $3 \overline{) \begin{array}{ c } \hline \square \\ \hline 98 \end{array}}$ | e) $4 \overline{) \begin{array}{ c } \hline \square \\ \hline 82 \end{array}}$ |
| f) $2 \overline{) \begin{array}{ c } \hline \square \\ \hline 85 \end{array}}$ | g) $3 \overline{) \begin{array}{ c } \hline \square \\ \hline 87 \end{array}}$ | h) $8 \overline{) \begin{array}{ c } \hline \square \\ \hline 91 \end{array}}$ | i) $6 \overline{) \begin{array}{ c } \hline \square \\ \hline 83 \end{array}}$ | j) $5 \overline{) \begin{array}{ c } \hline \square \\ \hline 92 \end{array}}$ |

3. How many groups have been made? How many tens are in each group?

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|--------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| a) $3 \overline{) \begin{array}{ c } \hline 2 \\ \hline 75 \end{array}}$ | b) $2 \overline{) \begin{array}{ c } \hline \square \\ \hline 91 \end{array}}$ | c) $4 \overline{) \begin{array}{ c } \hline \square \\ \hline 95 \end{array}}$ | d) $2 \overline{) \begin{array}{ c } \hline \square \\ \hline 73 \end{array}}$ |
| groups <u> 3 </u> | groups <u> </u> | groups <u> </u> | groups <u> </u> |
| number of tens in each group <u> 2 </u> | number of tens in each group <u> </u> | number of tens in each group <u> </u> | number of tens in each group <u> </u> |