

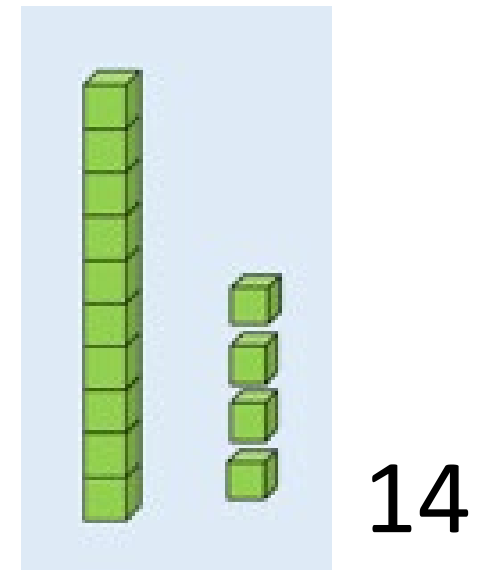
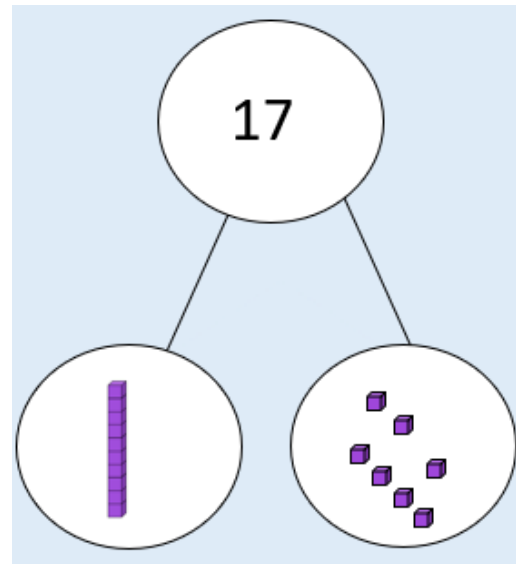
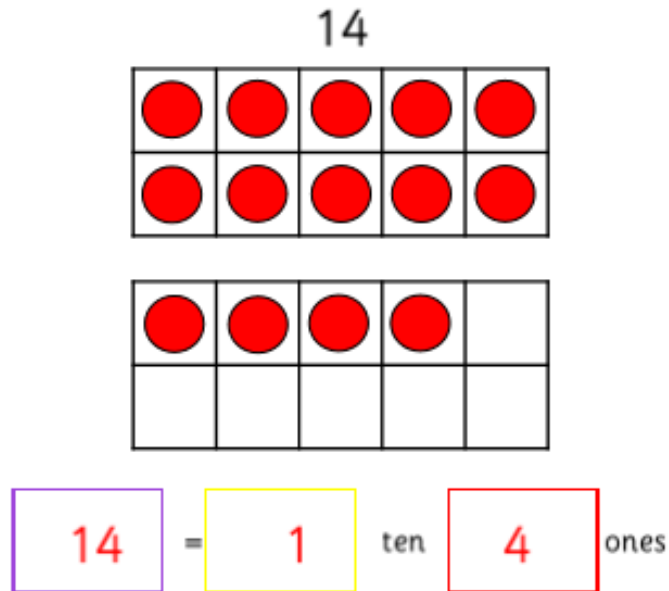
# Maths:

## Today we are recapping...

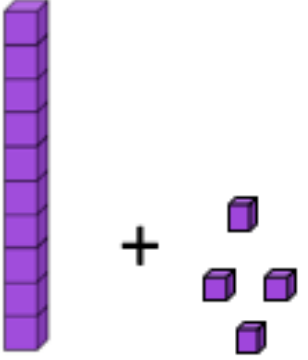
Tens and ones using dienes.

Remember teen numbers are made up of one 10 and ones.

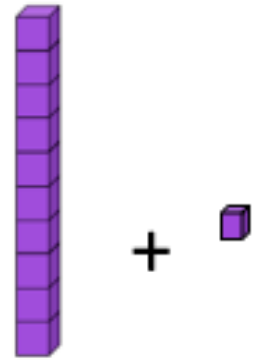
Here are some examples to remind you:



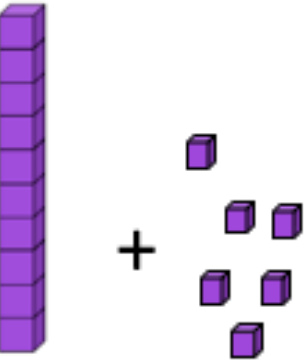
Draw these in your book to show the teen numbers:



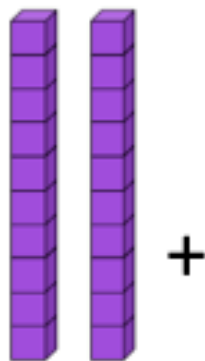
A vertical purple rod (10) and four purple cubes (4) are shown with a plus sign between them.

$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$
$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$


A vertical purple rod (10) and one purple cube (1) are shown with a plus sign between them.

$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$
$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$


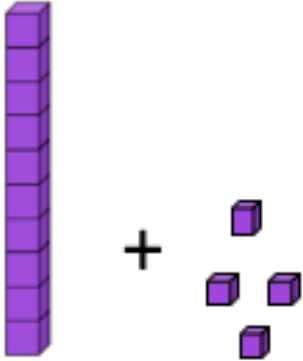
A vertical purple rod (10) and six purple cubes (6) are shown with a plus sign between them.

$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$
$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$


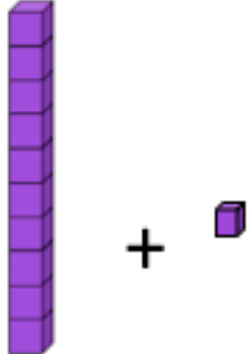
Two vertical purple rods (10 + 10) are shown with a plus sign between them.

$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$
$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

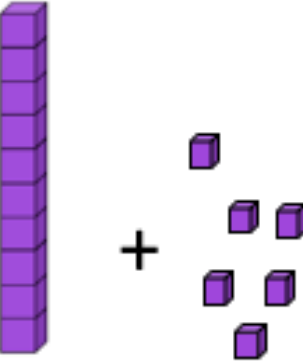
Did you get them correct?



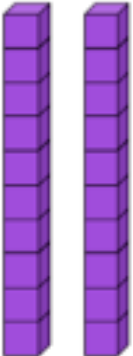
$$\begin{array}{r} 14 \\ \hline 10 \\ + 4 \\ \hline 14 \end{array}$$



$$\begin{array}{r} 11 \\ \hline 10 \\ + 1 \\ \hline 11 \end{array}$$





$$\begin{array}{r} 16 \\ \hline 10 \\ + 6 \\ \hline 16 \end{array}$$



$$\begin{array}{r} 20 \\ \hline 20 \\ + 0 \\ \hline 20 \end{array}$$

# Try these ones:


10 +  \_\_\_\_\_ = \_\_\_\_\_ + \_\_\_\_\_  
\_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_

 + 2 \_\_\_\_\_ = \_\_\_\_\_ + \_\_\_\_\_  
\_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_


eight ones  
add  
one ten \_\_\_\_\_ = \_\_\_\_\_ + \_\_\_\_\_  
\_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_

Zero ones  
add  
two tens \_\_\_\_\_ = \_\_\_\_\_ + \_\_\_\_\_  
\_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_

Did you get them correct?

10 + 

$$\begin{array}{r} 14 \\ \hline \end{array} = \begin{array}{r} 10 \\ \hline \end{array} + \begin{array}{r} 4 \\ \hline \end{array}$$
$$\begin{array}{r} 10 \\ \hline \end{array} + \begin{array}{r} 4 \\ \hline \end{array} = \begin{array}{r} 14 \\ \hline \end{array}$$

 + 2

$$\begin{array}{r} 12 \\ \hline \end{array} = \begin{array}{r} 10 \\ \hline \end{array} + \begin{array}{r} 2 \\ \hline \end{array}$$
$$\begin{array}{r} 10 \\ \hline \end{array} + \begin{array}{r} 2 \\ \hline \end{array} = \begin{array}{r} 12 \\ \hline \end{array}$$

eight ones  
add  
one ten

$$\begin{array}{r} 18 \\ \hline \end{array} = \begin{array}{r} 10 \\ \hline \end{array} + \begin{array}{r} 8 \\ \hline \end{array}$$
$$\begin{array}{r} 10 \\ \hline \end{array} + \begin{array}{r} 8 \\ \hline \end{array} = \begin{array}{r} 18 \\ \hline \end{array}$$

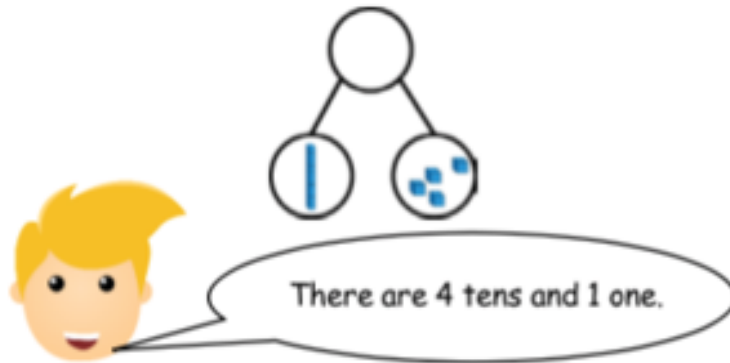
Zero ones  
add  
two tens

$$\begin{array}{r} 20 \\ \hline \end{array} = \begin{array}{r} 10 \\ \hline \end{array} + \begin{array}{r} 10 \\ \hline \end{array}$$
$$\begin{array}{r} 10 \\ \hline \end{array} + \begin{array}{r} 10 \\ \hline \end{array} = \begin{array}{r} 20 \\ \hline \end{array}$$

# Challenge –

## Maths Challenge!

Jacob makes a part whole model.



Explain his mistake.  
What is his number?

Problem Solving and Reasoning

