

Teaching Strategies - Addition pairs for numbers to 10

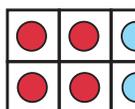
N.B. It is crucial that your students be able to recognize instantly the numbers to 10 in both layouts before working through worksheets and activities using both red and purple dots.

Exploring individual numbers:

Addition pairs that make any number to 10

Using a ten frame with counters of two colours, helps your students to visualize the 2 numbers that together make that number. Another way to look at it is to see that two numbers are hidden inside that larger number.

For instance, visualize 7. Using 2 colours, it is easy to see that 7 has these numbers inside it.



4 at

Use of the

The operation
establish
another
numbers
introduce

PROFESSOR PETE'S
CLASSROOM

This is a

PREVIEW

Subscribe today for a whole
year's access to ALL our
worksheets and videos!



Already a subscriber? Log in to download the full version of this worksheet.

age to
adds
irs of
o

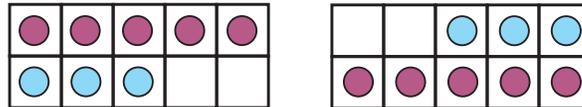
Once your students can quickly and easily recognize the numbers pairs to make a new number then using a number line can be introduced. Numbers lines are excellent for counting on 1, 2 and 3, but counting on any more than that requires a visual prompt, such as fingers, to keep a track of how many have been counted. E.g. Try counting on 5 from 6? You don't know when you have counted on the 5 unless you use fingers or the like to let you know how many you have counted. It is for this reason that counting on more than 3 is not recommended as a strategy.

Number lines are most efficient when used for finding the relationship between numbers that are close together. This number line shows 6 and 2 is 8.



Rotating the ten frames (turn around facts)

By rotating the ten frames students can see that it does not matter which way around the numbers are placed, they still add together to make the larger number. This prevents students from doubling up on remembering the numbers that go together. Once your students have learnt that 5 and 3 make 8, then 3 and 5 make 8 too.



For students to be able to visualize this, it is important that they are able to recognize the ten frames upside down. Playing the dominoes and card games helps with this immensely as the cards are seen from all angles.

Using the
subtract



This is a

PREVIEW

Subscribe today for a whole
year's access to ALL our
worksheets and videos!



Already a subscriber? Log in to download the full version of this worksheet.

Look at t
the missi
The miss
take awa
can see t
other.

to find
nd.
step to 7
ident
of the

Template Instructions: Write the number to be explored in the top box, then write one of the addends. Students draw the dots and write the missing number.

Here are two ten frames for

--

Write the numbers that together make

--

and

--

and

--

Here a

This is a

PREVIEW

Subscribe today for a whole
year's access to ALL our
worksheets and videos!



Already a subscriber? Log in to download the full version of this worksheet.

Write th

--

Here are two ten frames for

--

Write the numbers that together make

--

and

--

and

--