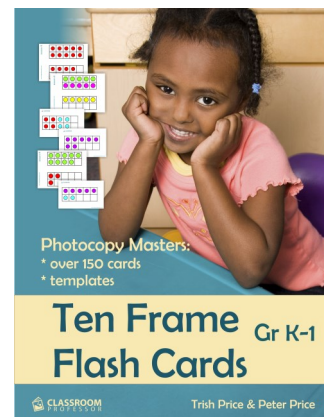


Sample - Ten Frame Flash Cards

The complete set of [Flash Cards](#) is available from
[Classroom-Professor store](#)
eBook has over 140 unique flash cards ready for
printing.



Ten Frames:

Ten frames are possibly the most useful resource a teacher can use to help students understand numbers to 20, including addition and subtraction facts for these numbers.

A ten frame is a grid of 5×2 squares which is the frame for counters which are placed on it in set patterns. Students learn to make and to “see” numbers by placing counters on them and recognising these numbers when the patterns are printed on cards and “flashed” at them. This instant recall without counting is called subitizing. By subitizing numbers, students begin to know the relationship between one number and another.

Blank Ten frames: Print and cut in half, then laminate. Keep this single ten frame with 10 counters in a container or zip lock bag within easy reach of students.

Counters can be different colors but a single color is preferable.

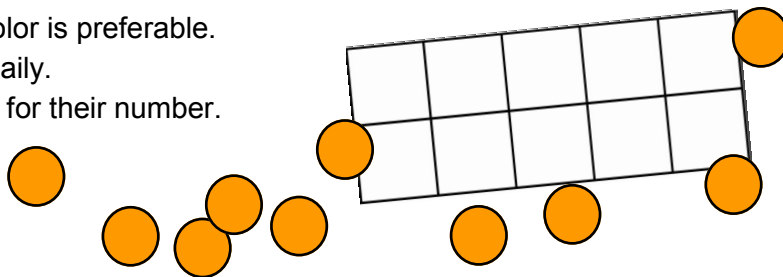
- Practice forming and showing numbers daily.
- Assist students to form the correct layout for their number.

Ten Frame Flash Cards:

- Print and cut in half.
- Allow counting initially, until students are able to “see” the number shown by each pattern without counting.
- The goal is for students to subitize the number of counters.

2 Colored Ten Frame Flash Cards:

- Ask students to tell stories about the number shown by the 2 colors.
- Ask students to write stories about the number.
- Have students write related number stories about the number shown.



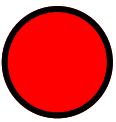
Ten Frame Blank Template - Print then place counters on the ten frames as per the required arrangement.

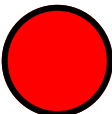
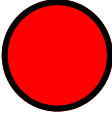


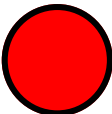
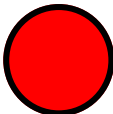
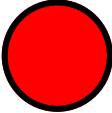
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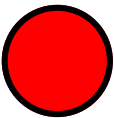
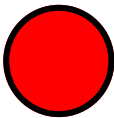
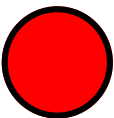
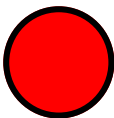


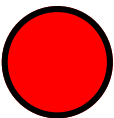
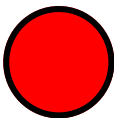
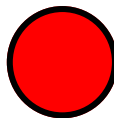
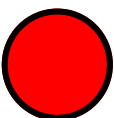
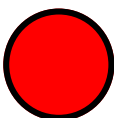
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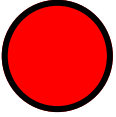
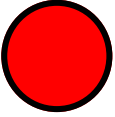
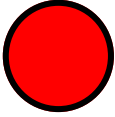
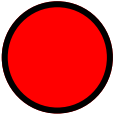
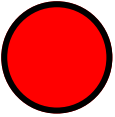
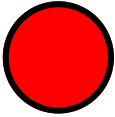
				

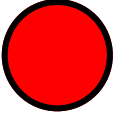
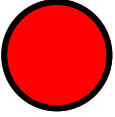
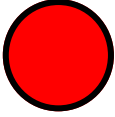
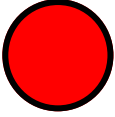
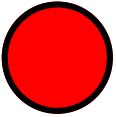
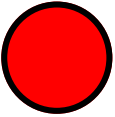
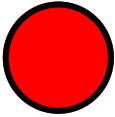
				
				

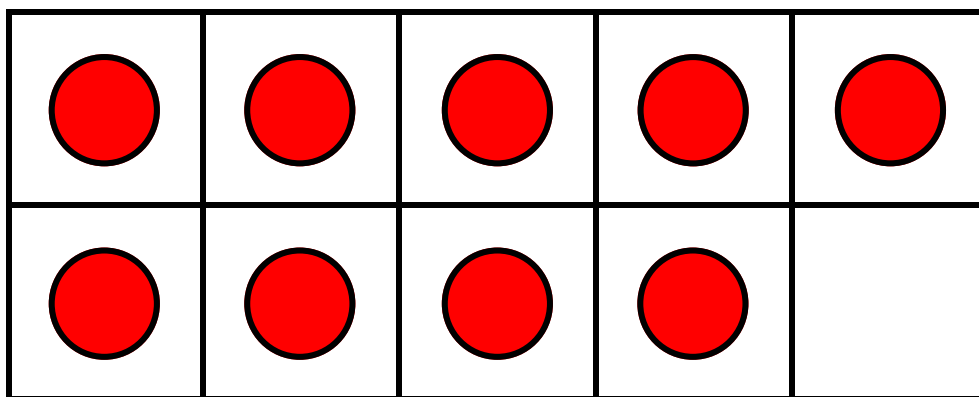
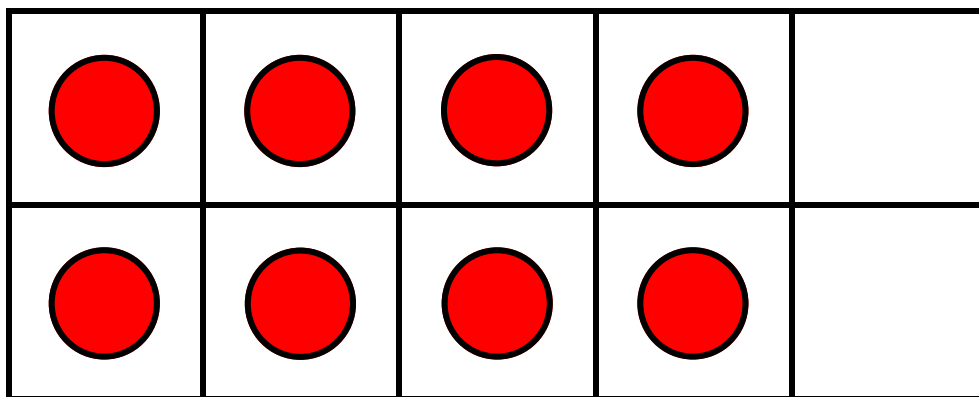
				
				

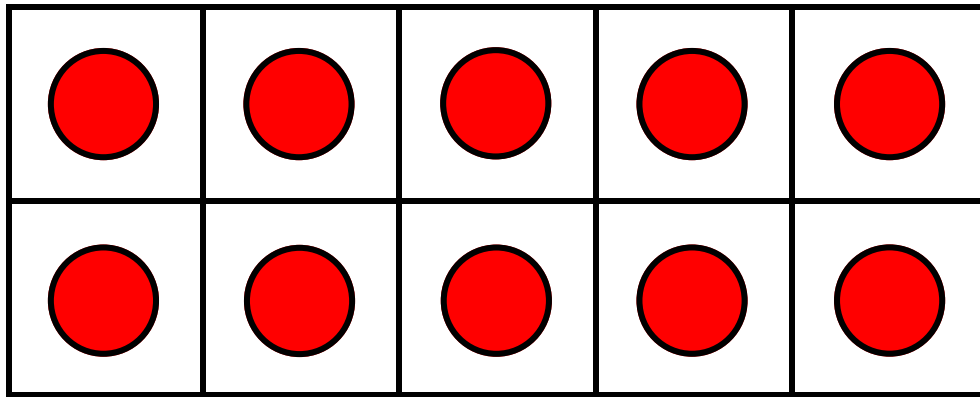
				
				

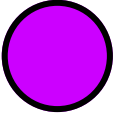
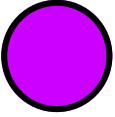
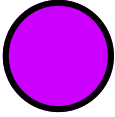
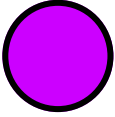
				
				





Sample of “Rows arrangement”Ten Frame—full sets of all flash cards available from Classroom Professor store

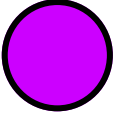
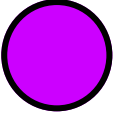
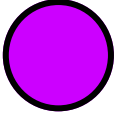
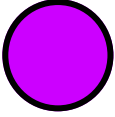
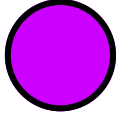


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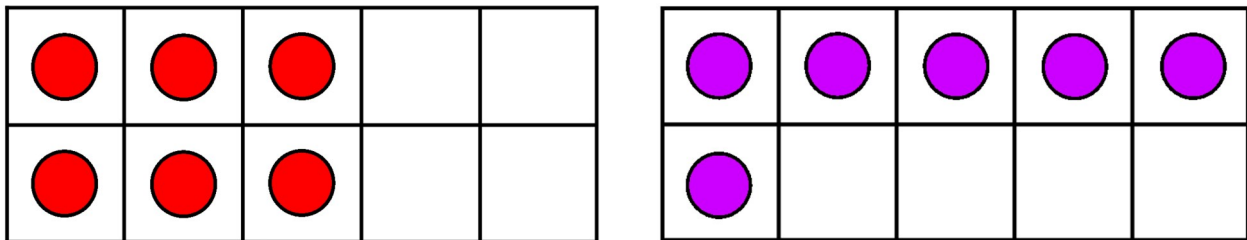
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Ten Frame use Explained

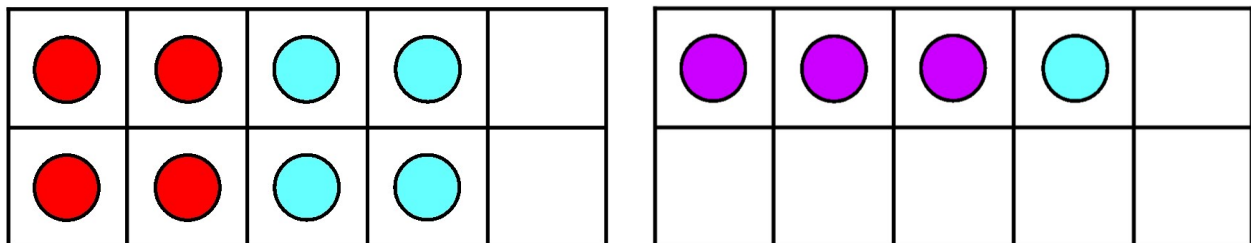
There are three types of single flash cards in this free worksheet
download: (this is a sample of the 140+ flash cards in the complete eBook *Ten Frame Flashcards*).

A. Single numbers 0-10

Single-color counters to represent a single number from 0 to 10. Counters are



positioned in two different layouts for each number, distinguished by different colours—red and purple

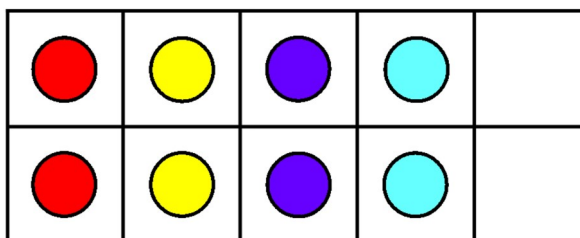


B. Pair of numbers on a single card, shows sums up to 10

Two colors to represent addition facts to 10:

C. Multiple numbers on a single card, shows multiples to 10

Multiple colors to represent simple multiplication facts:



Using the single color (red / purple dot) ten frames

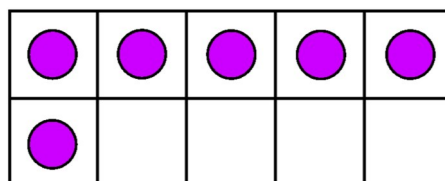
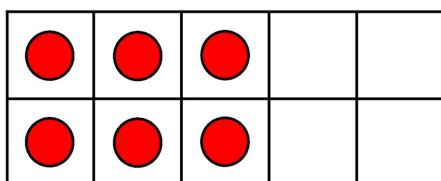
Print each page of flash cards onto light card, in color if possible. Cut them in half to make individual flash cards.

Shuffle the flash cards and run through these cards with the children on a regular basis until each child can name the number shown instantly without counting. The aim here is to help children to subitize the counters (i.e., recognize each arrangement to 10 *without counting*).

Why two different layouts?

The single-color flash cards are designed in two colors, signifying two alternative counter layouts for number to 10.

One shows the numbers filling the grid in pairs from the left (**red counters**). The other is to fill the grid along the top row from left to right, then filling the bottom row until complete (**purple counters**). For example, note the two ways to represent the number 6:



There are no hard and fast rules regarding the recognition and subitizing of numbers. The two layouts show different characteristics of a number, and both layouts have advantages which lead to different mathematical concepts.

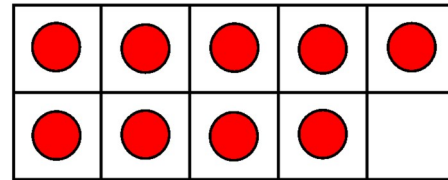
Introduce one layout first, then, once established, introduce the second layout. Teachers will need to use discretion at this point. Some students may thrive on the challenge of the recognition of the second layout. Others may find subitizing two ways confusing.

If only one way is to be used, it is recommended to choose the red (the pairs) layout.

A number's relationship to 10

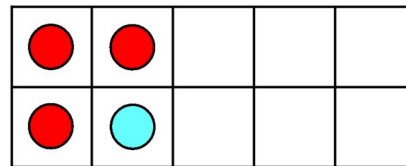
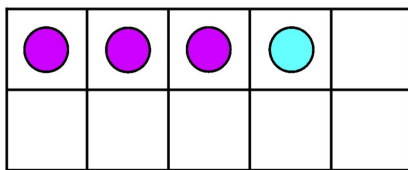
The other learning aspect of the ten frame is that each number is shown in relation to 10. The missing dots (blank squares) show how many more dots are needed to make up a "ten".

For instance 9 shows one empty square, so 9 is one less than 10. ($10 - 1 = 9$; $10 - 9 = 1$)



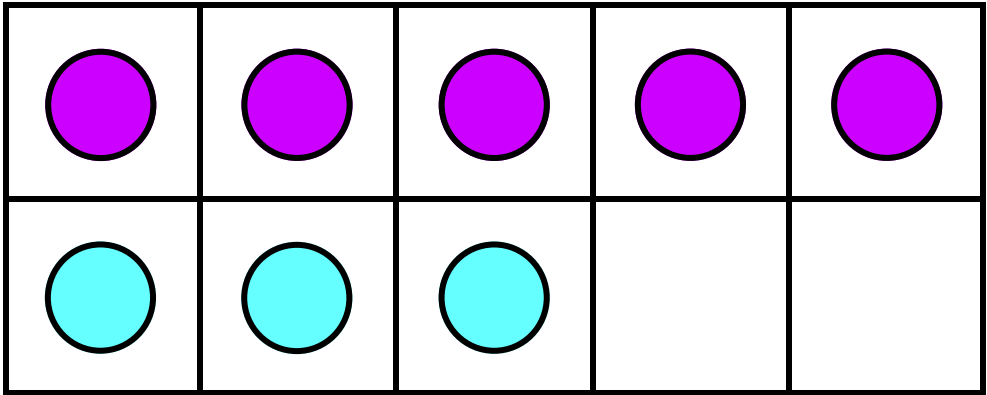
Using two-color counter ten frames

These ten frames also show ...



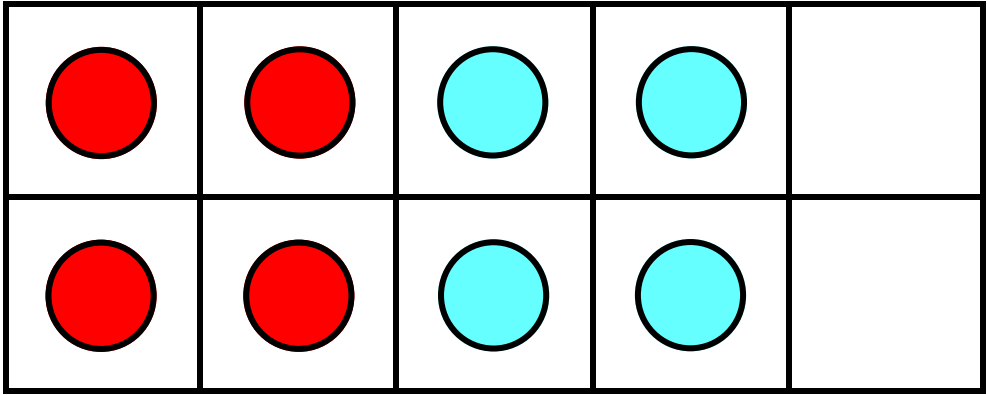
**More information is available in the
full version of
Ten Frames Flash Cards eBook**

Sample of two-color Ten Frames—full sets of all flash cards available from Classroom Professor store



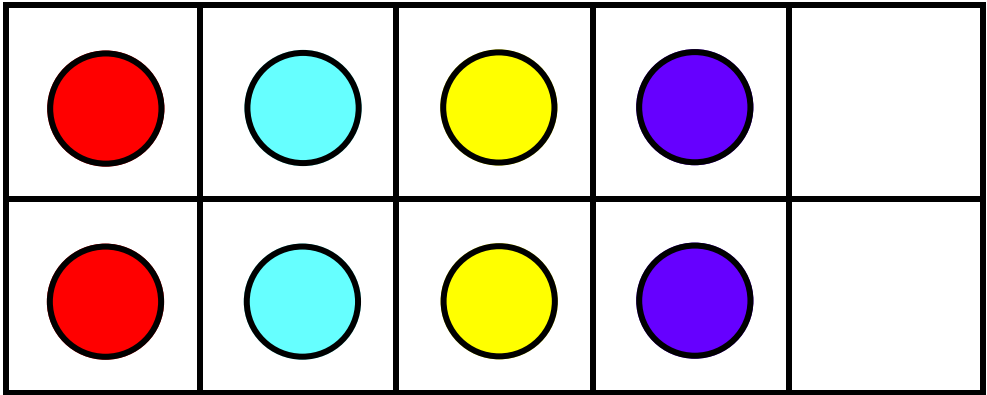
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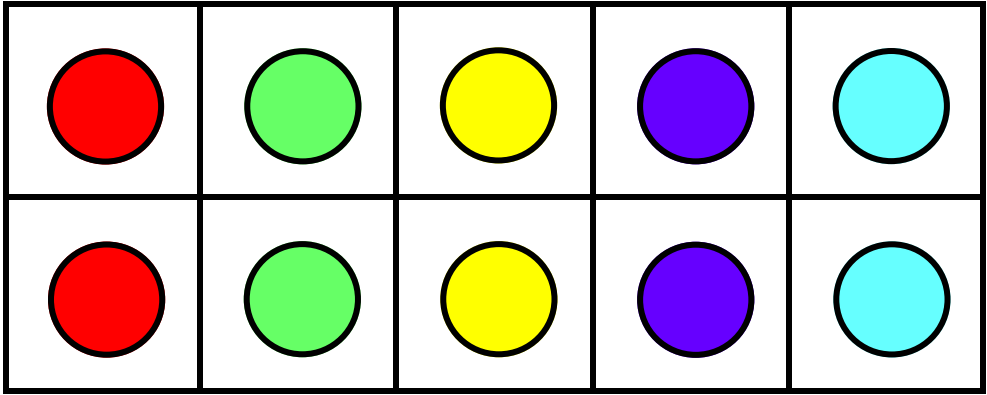
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Sample of multicolor Ten Frames—full sets of all flash cards available from Classroom Professor store



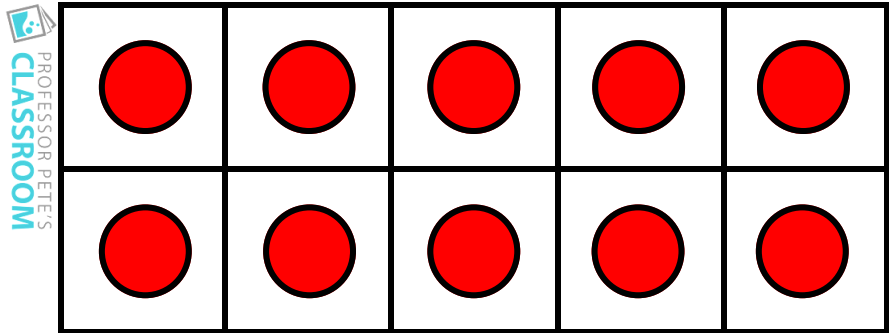
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Sample of multicolor Ten Frames—full sets of all flash cards available from Classroom Professor store

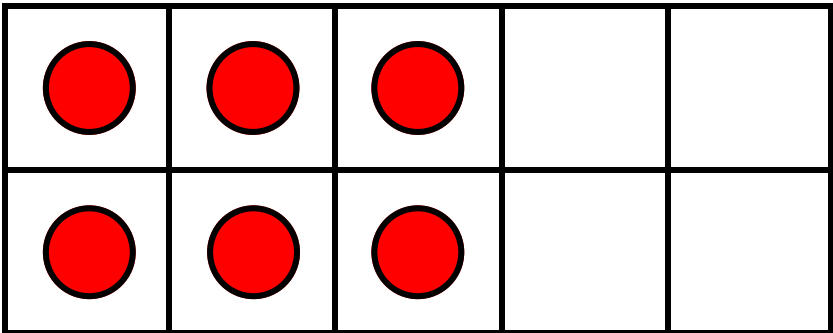


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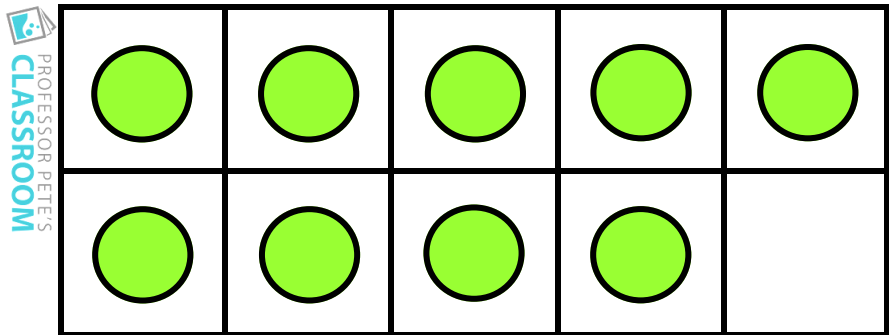
Sample of double Ten Frames—full sets of all flash cards available from Classroom Professor store



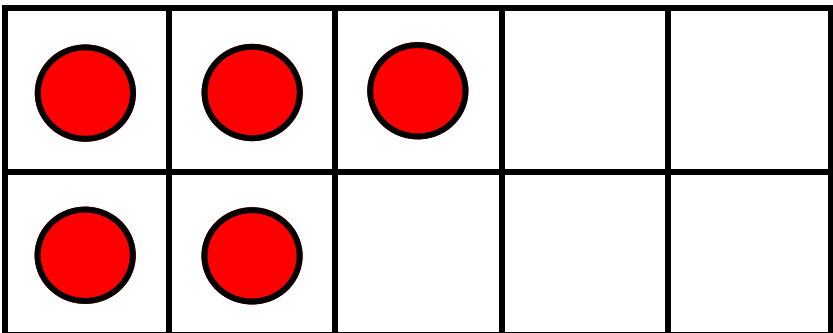
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Sample of addition Ten Frames—full sets of all flash cards available from Classroom Professor store



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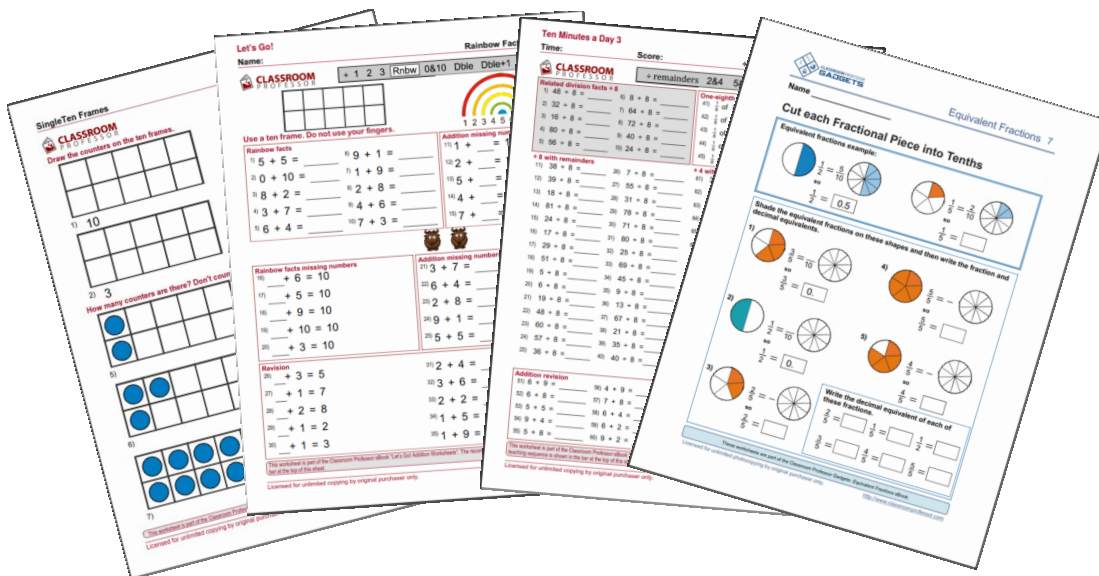
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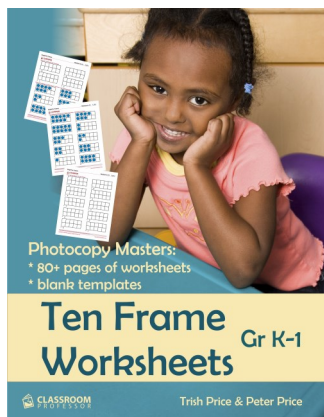
Ten Frame eBooks Available

The complete set of Ten Frame Worksheets is available from

[Classroom-Professor store](http://Classroom-Professor.com)

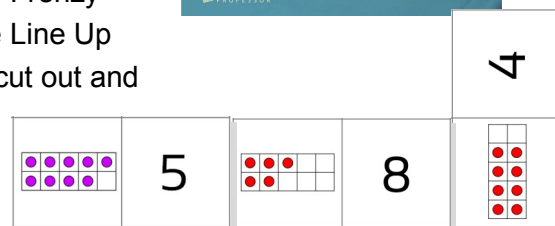
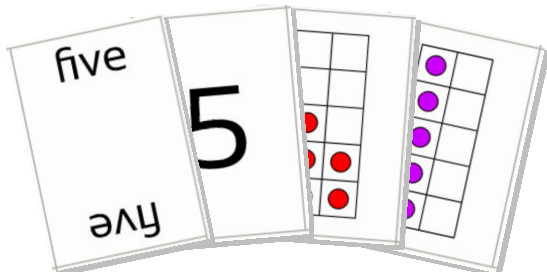
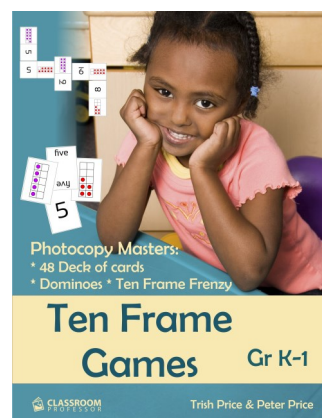
Ten Frame Worksheets:

- Over 80 pages of worksheets
- Blank templates
- Covers number recognition to 20
- Two different layouts (pairs and rows)
- Addition and subtraction facts to 20
- "Fact families" emphasised



Ten Frame Games:

- 2 Sets of dominoes (pairs or rows layouts)
- Deck of 48 cards
- Ten Frame Frenzy
- Ten Frame Line Up
- Just print, cut out and play



Ten Frame Flash Cards:

- Over 140 unique flash cards
- 0 to 10 pairs layout
- 0 to 10 rows layout
- 11 to 20 pairs layout
- 11 to 20 rows layout
- Addition to 10 two colored ten frames: pairs layout
- Addition to 10 two colored ten frames: rows layout
- Addition double ten frames: pairs layout
- Addition double ten frames: rows layout
- Multiplication to 20: multi colored dots

