

Maths – Addition and Subtraction

Make 30

What is my mystery number?

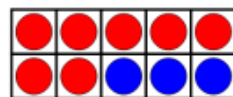
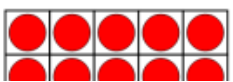
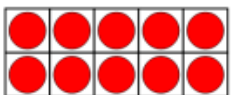
I made this game by writing pairs of numbers that total 30. Look for all the pairs of numbers that make 30.

Cover the pairs using counters. Find all the pairs and you will be left with the mystery number.

Equipment: Paper, pencils and counters (or any suitable substitute)

29	9	3	2	27
3	5	14	15	19
26	15	1	11	25
4	27	16	10	17
20	28	7	23	13

Addition and subtraction methods (support material if needed):



I can use number bonds to 10 to help work out number bonds to 30.

$$6 + 4 = 10$$

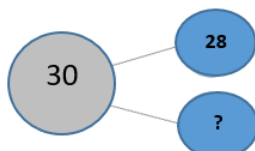
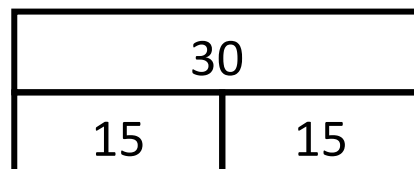
$$16 + 4 = 20$$

$$26 + 4 = 30$$

$$\begin{array}{r} 21 \\ 30 \\ - 7 \\ \hline 23 \end{array}$$

$$\begin{array}{r} 19 + 11 \\ 19 + 10 + 1 \\ \hline 29 + 1 = 30 \end{array}$$

$$\begin{array}{r} 16 \\ + 14 \\ \hline 30 \\ +1 \end{array}$$



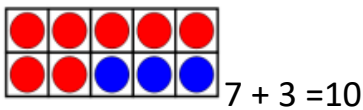
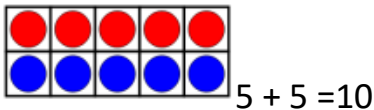
$$\begin{array}{r} 30 - 13 \\ 30 - 10 - 3 \\ \hline 20 - 3 = 17 \end{array}$$

Hedgehog Class

Make 10

Make up a grid using number bonds to 10 (see 3x3 template below). Write pairs of numbers that total 10 then write one mystery number in the square that is left. Write this mystery number on a piece of paper and hide it in your pocket. Ask a parent or sibling to find all pairs then reveal the mystery number!

You can use a tens frame to help you find number bonds to 10 e.g.



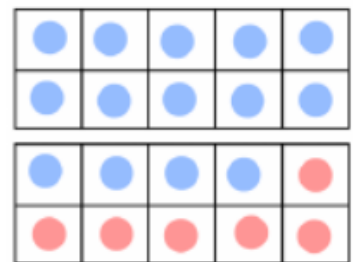
Swift Class

If you already know number bonds to 10...

Make 20

Make up a grid using number bonds to 20. Write pairs of numbers that total 20 then write one mystery number in the square that is left. Write this mystery number on a piece of paper and hide it in your pocket. Ask a parent or sibling to find all pairs then reveal the mystery number! Use two tens frames to help work out your bonds to 20.

$$14 + 6 = 20$$



If you already know number bonds to 20...

Make 100

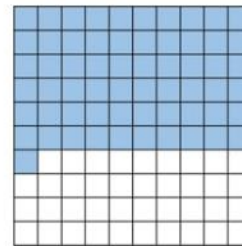
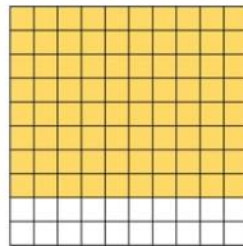
This can be done by either using multiples of 10, e.g. $20 + 80$, $50 + 50$ (easier), or using tens and ones numbers, e.g. $22 + 78$, $51 + 49$ etc (harder). Make up a grid using number bonds to 100. Write pairs of numbers that total 100 then write one mystery number in the square

that is left. Write this mystery number on a piece of paper and hide it in your pocket.

$$80+20=100$$

$$61+39=100$$

Ask a parent or sibling to find all pairs then reveal the mystery number! You could use a 100 square to help you work out your bonds to 100.



Bee Class

Make 100

Make up a 5 x 3 grid using number bonds to 100 (see below).

Write pairs of numbers that total 100, e.g. 21 and 79, 42 and 58, etc., with one number in each square. Try to include numbers which are not multiples of 10 to give yourself a challenge.

Then write one mystery number in the square that is left. Write this mystery number on a piece of paper and hide it in your pocket.

Ask a parent or sibling to find all pairs then reveal the mystery number!

For an additional challenge, why not try using number bonds to 1000!

Butterflies Class

Make 1000 (or make 1)

Make up a grid using number bonds to 1000 (see 5x3 template below). Write pairs of numbers that total 1000 (e.g. 277 and 723, 465 and 535), with one number in each square. Then write one mystery number in the square that is left. Write this mystery number on a piece of paper and hide it in your pocket. Ask a parent or sibling to find all pairs then reveal the mystery number!

OR IF YOU'RE FEELING REALLY BRAVE . . .

Do the same activity but use pairs of numbers with 3 decimal places that total 1 (e.g. 0.291 and 0.709, 0.035 and 0.965)
