Name _____ Date _____

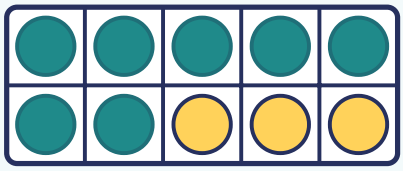
Bonds to 10 and 100

Two numbers that make 10 are a number bond. They help you make 100 too.

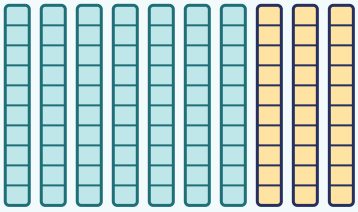
1 Learn



A **number bond** is two parts that make a whole. If you know **7 + 3 = 10**, you also know **70 + 30 = 100**!



7 + 3 = 10
7 ones and 3 ones



70 + 30 = 100
7 tens and 3 tens

What goes with 60 to make 100?

1. **60** is **6 tens**.
2. I know **6 + 4 = 10**. So 6 tens + **4 tens** = 10 tens.
3. 10 tens is 100. So **60 + 40 = 100**.



The whole is 100. The parts are 60 and 40.

Flip's tip: learn the bonds to 10 by heart: **1 + 9, 2 + 8, 3 + 7, 4 + 6, 5 + 5**. Each has a twin bond to 100: **10 + 90**, **20 + 80** and so on.

Warm up: fill the gaps to make 10.

8 + ☐ = 10 **3 + ☐ = 10** **☐ + 5 = 10** **1 + ☐ = 10**

Grown-ups: read Flip's words aloud. Point to the ten frame, then the sticks: the bond is the same, but each stick is worth 10. Counting on fingers is fine at first; over time, aim for your child to just know the bonds to 10.

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2 Try it together a child and a grown-up, about 10 minutes



Hide and seek bonds

You need: 10 small things (dry pasta, buttons or coins) and a cup or a bowl.

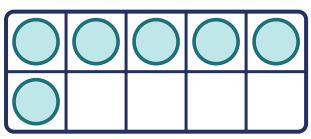
1. Count out **10 things** together. Then your child closes their eyes.
2. Hide some of the things under the cup. Leave the rest out.
3. Your child counts the things they can see and says **how many are hiding**. Lift the cup to check!
4. Now pretend each thing is worth **10**. Say the bond to 100, like "3 + 7 = 10, so 30 + 70 = 100".
5. Swap: your child hides some, and you work out how many are hiding.

Round	I can see	Hiding	Bond to 10	Bond to 100
1				
2				
3				
4				

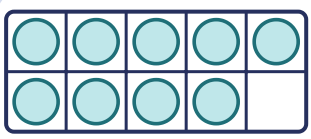
Grown-ups: ask "How many more to make 10?" rather than "How many are under the cup?" if your child gets stuck. Try hiding none, or all 10, too: 10 + 0 = 10 is a bond as well.

3 Practise

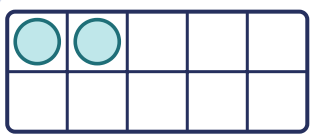
A. Draw more counters to fill each ten frame. Then write the bond.



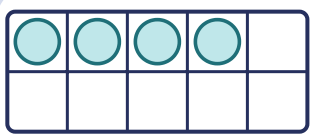
6 + ____ = 10



9 + ____ = 10



____ + ____ = 10



____ + ____ = 10

Bonds to 10 and 100

Name _____ Date _____

B. Join the pairs that make **100**.

30	50
90	80
50	10
20	40
60	70

C. Fill the gaps.

40 + ☐ = 100

☐ + 70 = 100

100 = 80 + ☐

100 − 30 = ☐

100 − 50 = ☐

D. Sam says, "I know **2 + 8 = 10**, so I know **20 + 80 = 100**." Write two more like Sam.

I know _____ + _____ = 10, so I know _____ + _____ = 100.

I know _____ + _____ = 10, so I know _____ + _____ = 100.

Challenge

Leo says, "**64 + 46 = 100**, because 6 + 4 = 10." Is he right? What goes with 64 to make 100?

Hint: add the ones first. 4 + 6 = 10 makes a new ten!

I can...

Tick when you can.

- [ ] say all the number bonds to 10
- [ ] use a bond to 10 to find a bond to 100
- [ ] find what goes with a number of tens to make 100