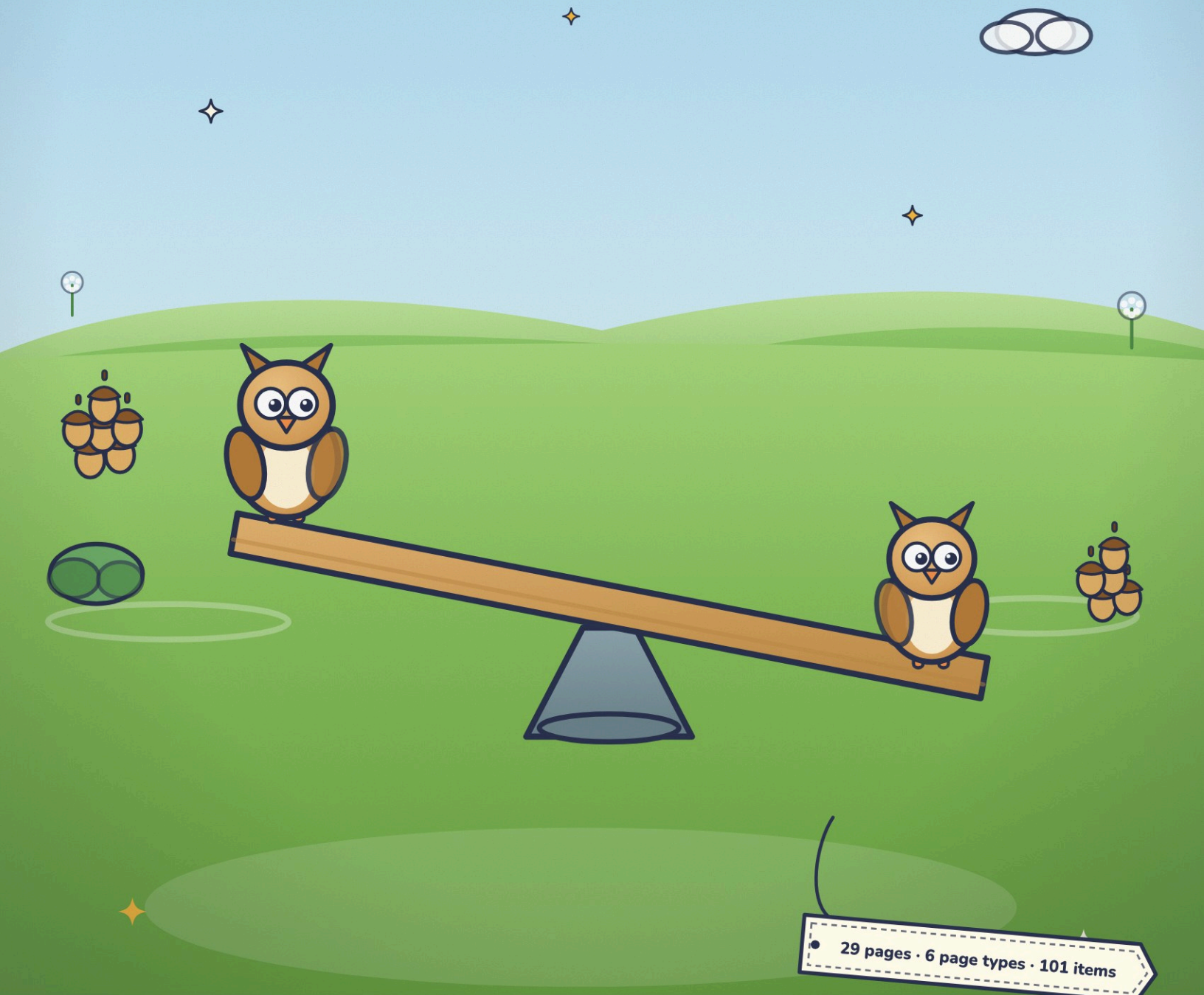


Number Bonds to 20

CIRCLES · BARS · TWENTY-FRAME





One complete kit for bonds to 20: a circle, a bar, a twenty-frame, a bare equation and a right-or-wrong check — on pages with room to work, untimed.

THREE STEPS

- 1 Look at Ways to Make 20 together**
 Page 6 shows every one of the twenty-one bonds to 20, then one bond three ways: a circle, a bar and a twenty-frame. Read it aloud with the child, then let the child pick a bond from the ladder and write it two ways in the Your turn rows.
- 2 Hand over a page**
 Every student page opens with a name line and one short instruction, and the boxes are big. Nothing on it is written for you, so the child can start. The chart below says which page for which child; the dots at the top right are the only level code.
- 3 Check it, record it, send it home**
 The answer keys are pages 19 and 20. Date each page on the tracker (page 21), roll a group up on page 22, and send the home page (24). A filled example is on page 25.

WHICH PAGE, WHEN

WHEN...	USE...
Meeting number bonds for the first time	Ways to Make 20, page 6 · Circles A, page 7
Needs to see it and count it	Twenty-Frame to 20, pages 12, 13, 14
Ready for the bar model	Number Bonds Bars, pages 10, 11
Ready for a bare equation	Missing Addend, pages 15, 16
Rushes and does not check	Fix It, pages 17, 18
Ready to write their own bonds	Home page, page 24 · notes: page 23, phrase bank 26

Everything inside (29 pages)

- **13 student pages** in 6 page types: Ways to Make 20, Number Bonds Circles, Number Bonds Bars, Twenty-Frame to 20, Missing Addend and Fix It
- **101 items** across the twenty-one ways to make 20, every one computed in code
- **1 fact map, 2 answer keys, 1 tracker, 1 class grid**
- **1 team note, 1 home page, 1 filled example, 1 phrase and strategy bank**
- **1 binder cover, 6 divider tabs** and a spine label

What makes it different

Every page asks the same question — what makes 20 — in a different way, so a child who is stuck on a bare equation may find the twenty-frame easy, and you can see which. Nothing is timed and nothing on a student page is scored. The fact map (page 5) shows every bond and every page it lives on.



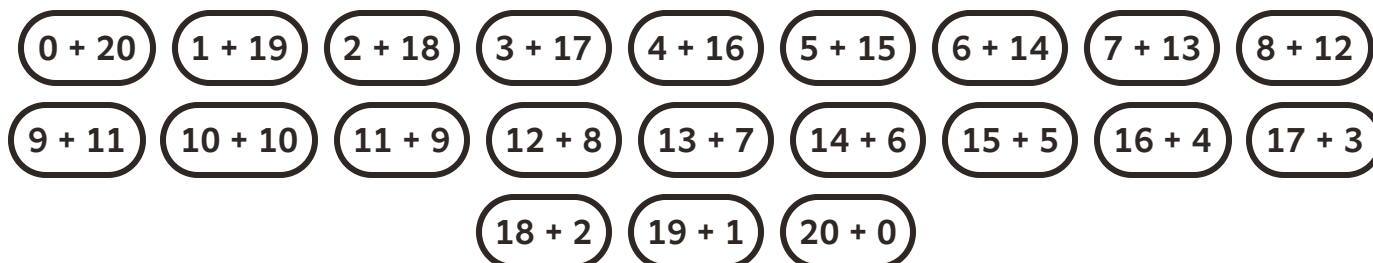
My name: _____

Date _____

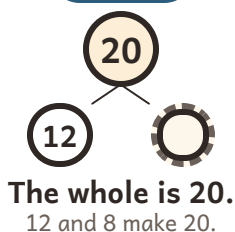


Look at every way to make 20. Then write your own.

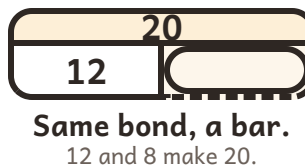
Every way to make 20, 0 and 20 through 20 and 0.



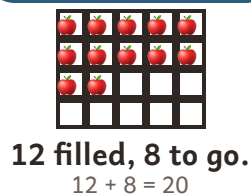
Circle



Bar



Twenty-Frame



Turn it around

$$12 + 8 = 20$$

$$8 + 12 = 20$$

The numbers swap.
The whole stays 20.

Your turn. Pick a bond from the ladder above.

Write it

$$\square + \square = 20$$

Turn it around

$$\square + \square = 20$$



My name: _____

Date _____



Find the missing part. Write it in the circle.

1

20

9

2

20

6

3

20

8

4

20

10

5

20

13

6

20

18

7

20

16





My name: _____

Date _____



Find the missing part. Write it in the box.

1	20	
2	20	8
3	14	
4	20	2
5	16	
6	20	11
7	13	
8	20	5
9	9	
10	20	12
11	19	



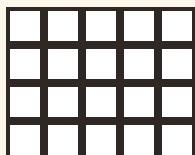
My name: _____

Date _____



Count the pictures. Write how many more make 20.

1



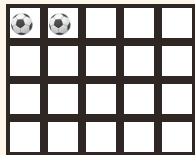
0 and make 20

2



12 and make 20

3



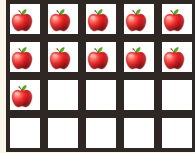
2 and make 20

4



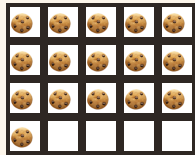
15 and make 20

5



11 and make 20

6



16 and make 20

7



19 and make 20



My name: _____

Date _____



Write the missing number.

$$1 \quad 17 + \boxed{} = 20$$

$$2 \quad 6 + \boxed{} = 20$$

$$3 \quad 3 + \boxed{} = 20$$

$$4 \quad 19 + \boxed{} = 20$$

$$5 \quad 4 + \boxed{} = 20$$

$$6 \quad 9 + \boxed{} = 20$$

$$7 \quad 16 + \boxed{} = 20$$

$$8 \quad 10 + \boxed{} = 20$$

$$9 \quad 7 + \boxed{} = 20$$

$$10 \quad 18 + \boxed{} = 20$$



My name: _____

Date _____



○ Is it right? Circle yes or no. Write the right partner.

1	$16 + 4 = 20$	Is it right? ☐ yes ☐ no	Right partner
2	$15 + 4 = 20$	Is it right? ☐ yes ☐ no	Right partner
3	$11 + 10 = 20$	Is it right? ☐ yes ☐ no	Right partner
4	$18 + 1 = 20$	Is it right? ☐ yes ☐ no	Right partner
5	$6 + 13 = 20$	Is it right? ☐ yes ☐ no	Right partner
6	$19 + 0 = 20$	Is it right? ☐ yes ☐ no	Right partner
7	$8 + 13 = 20$	Is it right? ☐ yes ☐ no	Right partner
8	$13 + 6 = 20$	Is it right? ☐ yes ☐ no	Right partner
9	$17 + 4 = 20$	Is it right? ☐ yes ☐ no	Right partner
10	$14 + 7 = 20$	Is it right? ☐ yes ☐ no	Right partner



STUDENT

TEACHER

MONTH

PAGE	PAGE TYPE AND SET	ITEMS	RIGHT	DATE	NOTES
7	Number Bonds: Circles A	7			
8	Number Bonds: Circles B	7			
9	Number Bonds: Circles C	7			
10	Number Bonds: Bars A	11			
11	Number Bonds: Bars B	10			
12	Twenty-Frame to 20 A	7			
13	Twenty-Frame to 20 B	7			
14	Twenty-Frame to 20 C	7			
15	Missing Addend A	10			
16	Missing Addend B	9			
17	Fix It A	10			
18	Fix It B	9			

How to fill this in

Write how many items the child got right with no prompt, and the date. A blank means not tried yet, never wrong. There are 101 items on the 12 pages above; Ways to Make 20 (page 6) is not scored. Answer keys: pages 19 and 20. Filled example: page 25.

THIS MONTH WE ARE WORKING ON (YOUR OWN WORDING)





Jordan T. is invented; nothing on this page describes a real student. The blank tracker is on page 21.

STUDENT

TEACHER

MONTH

Jordan T. (an invented student)

Ms. Nguyen (invented)

November

PAGE	PAGE TYPE AND SET	ITEMS	RIGHT	DATE	NOTES
7	Number Bonds: Circles A	7	7	11/1	–
8	Number Bonds: Circles B	7	6	11/2	Wrote the whole (20) in the missing circle once
9	Number Bonds: Circles C	7	–	–	–
10	Number Bonds: Bars A	11	11	11/3	–
11	Number Bonds: Bars B	10	–	–	–
12	Twenty-Frame to 20 A	7	7	11/1	–
13	Twenty-Frame to 20 B	7	6	11/8	Counted a filled twenty-frame cell twice
14	Twenty-Frame to 20 C	7	–	–	–
15	Missing Addend A	10	10	11/6	–
16	Missing Addend B	9	–	–	–
17	Fix It A	10	9	11/10	Circled yes for a bond that was one off
18	Fix It B	9	–	–	–

How to read it

Jordan T. has done **7 of 12** scored pages and got **56 of 59** items right with no prompt. **4** pages were all right. Every number here comes from the table above.

The family note this tracker would produce

“This month Jordan finished 7 number bonds pages and got 56 of 59 items right. Jordan wrote the whole in a missing circle once instead of the missing part; a bit more practice with the bonds is next.” — every fact in it is a row of the table above.

What the table points to

Every page with a note is one item short of full: Number Bonds: Circles B, Twenty-Frame to 20 B, Fix It A. The three slips are different kinds, so there is no single next page; the note on each row says what to watch for on it. Pages left blank (5 of 12) are not tried yet, never wrong.





THANK YOU FOR USING THIS RESOURCE

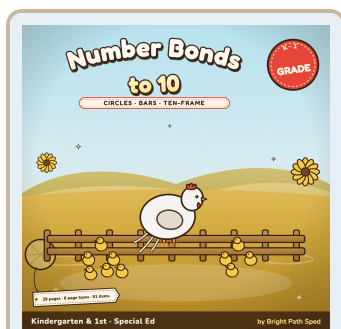
Everything here was built for the teacher who has a table of children who each need a different amount of support finding what makes 20. If this helped, leaving feedback on TPT helps other teachers find it.

Something missing or wrong?

Please use the **Ask a Question** tab on the product page first — every question is read, and a fix to the file is a free update you re-download from **My Purchases**.

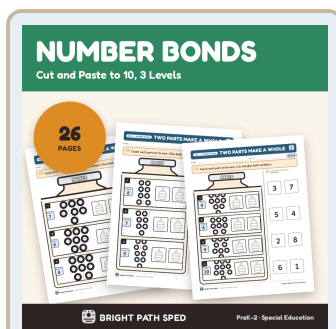
WHAT'S NEXT FROM THIS STORE

Number bonds to 10, cut and paste to 10, and then addition within 20.



Number Bonds to 10 Worksheets

Practice bonds to 10: circles, bars, ten-frame, missing part and fix it.



Number Bonds to 10 Cut and Paste, 3 Levels

The cut-and-paste way to bonds and missing parts, at three levels.



Addition Within 20 Worksheets

The next step up: number line, count on and missing part.



Add Three Numbers and Make a Ten

Uses a bond to 10 as a first step inside a three-number problem.

Part of the K-2 Math Practice collection — new products in this collection are added regularly. Click **Follow** on the store page and TPT will email you when they go up.

Pictures: the counting pictures and twenty-frame are drawn by Bright Path Sped (no third-party art). Type: Andika, Fredoka and Patrick Hand, SIL Open Font License.

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