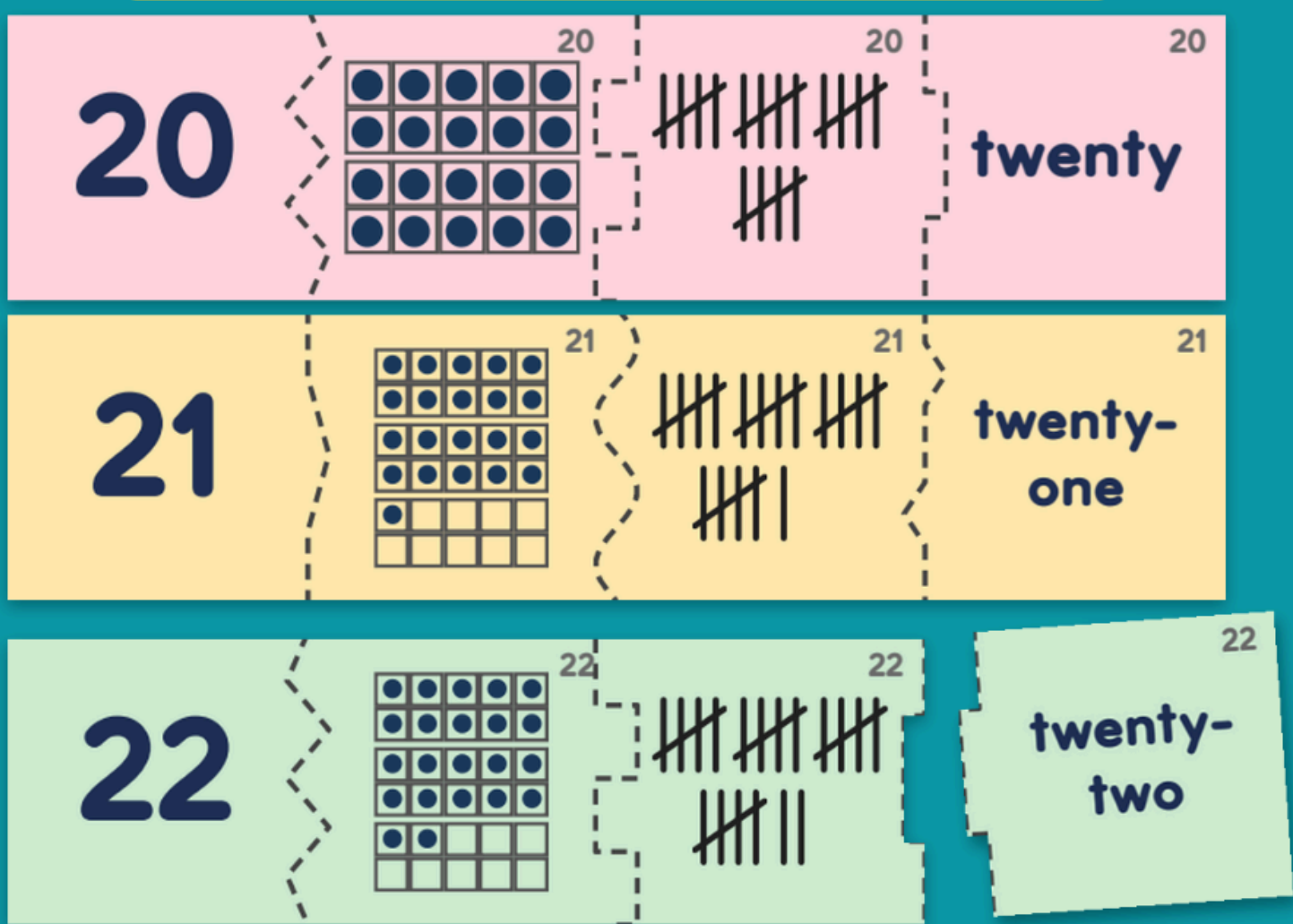
NUMBER PUZZLES TASK BOX

31 PUZZLES

3 LEVELS

Cut and Match 0 to 30



Bright Path Sped

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One classroom license

- This file is for one classroom: one teacher, one group of students.
- Please do not share it, post it online, or sell it.
- Extra licenses for a team or a school are available on the product page.

This is a fillable PDF

- Open it in a PDF reader (Chrome works well), click into a line or a box, type, and Save As.
- The type-in places are the My name line on each student page, the log, the roll-up table, the family note and the notes areas. The puzzle pieces are print-and-cut.
- It works offline. No account or subscription.

Print at 100 percent

Turn off fit to page and shrink to fit, or the pieces will not line up with the mat. Every line is black or gray, so the pages photocopy.

Student names

A saved copy carries a child's name. Keep saved copies in your own files, and use a first name only on any page that leaves your hands.

Need help?

If a page will not print the way you expect, use Ask a Question on the product page before leaving a review. Every question is read, and a fix to the file ships as a free update: re-download it any time from My Purchases.

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PREVIEW

Set Up the Task Box

Each set has its own shape in the corner. Children see a shape, not a number.

Mark	Set	What the child sees	Pages
●	Color and number	Each puzzle has its own color and a small numeral in the corner of every piece. The child matches colors and numbers.	pages 6-13
■	Color only	Each puzzle has its own color, with no numeral in the corners. The child matches the colors and checks the cut line.	pages 14-21
▲	Cut line only	White pieces. The child reads the numeral, the ten frames, the tally and the word, and the cut line tells them they are right.	pages 22-29

Build the box

- Print one set at 100 percent. Each page holds four puzzles, one in each row.
- Laminate the page first, then cut the dashed rows and the dashed joints.
- Put each puzzle's four pieces in its own small envelope, or mix a whole page in one zip bag.
- Print the mat (page 5). Add a velcro dot to each slot and one to the back of each piece.
- Put the box label (page 33) on the front.

How the cut line checks the work

- The joints are stepped, zigzag, wavy, notched or peaked, in two directions: 12 shapes.
- On one page there are 12 joints and no two share a shape. Two pieces close flush only if they belong together.
- The seam gives the child a private answer. A wrong match leaves a gap and nobody has to say try again.

Pick a set

- Start with the set the child can finish today. Move on when it feels easy, and go back when it does not.
- Keep each puzzle's pieces on one page. Mixing pages is fine for a child who is ready, because the joints stay distinct page by page.
- Your team decides which numbers to work on. The log (page 34) records it.
- Storage tip: a shoebox, binder pouch or magnetic tin keeps jigsaw edges tidy; label the lid with the shape.
- Seams may fray after many sessions, so keep a spare printed copy beside the laminator. Cardstock, matte pouches and a guillotine trimmer give crisp, durable edges; a hole reinforcer protects the corner of the envelope tag.

Your team's rule for choosing a set

PREVIEW

Preview - Bright Path Sped

My name _____

Cut the pieces. Build the number.

0	0	none	zero
1	1	|	one
2	2	||	two
3	3	|||	three

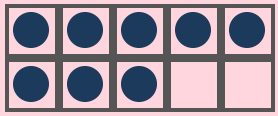
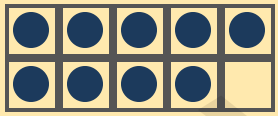
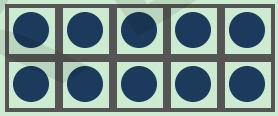
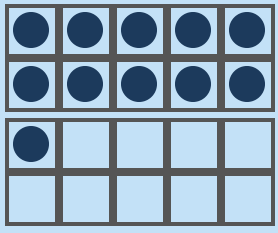
PREVIEW

Color a star when you finish!

Preview - Bright Path Sped

My name _____

Cut the pieces. Build the number.

8	 8	 8	eight 8
9	 9	 9	nine 9
10	 10	 10	ten 10
11	 11	 11	eleven 11

PREVIEW

Color a star when you finish!

Preview - Bright Path Shed

My name _____

Cut the pieces. Build the number.

16	16	16	sixteen
17	17	17	seventeen
18	18	18	eighteen
19	19	19	nineteen

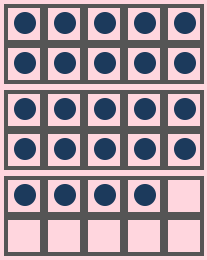
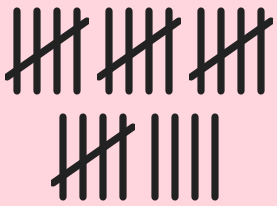
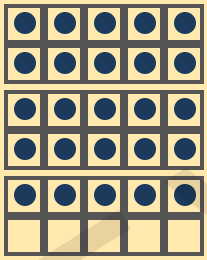
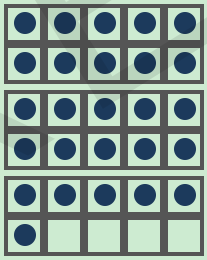
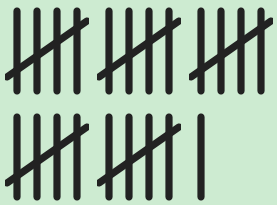
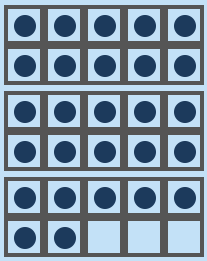
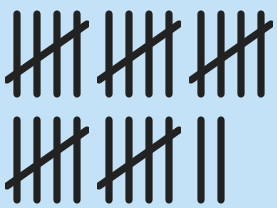
PREVIEW

Color a star when you finish!

Preview : Bright Path Sped

My name _____

Cut the pieces. Build the number.

24	 24	 24	twenty-four 24
25	 25	 25	twenty-five 25
26	 26	 26	twenty-six 26
27	 27	 27	twenty-seven 27

PREVIEW

Color a star when you finish!

Preview : Bright Path Sped

My name _____

Cut the pieces. Build the number.

0		none	zero
1		I	one
2		II	two
3		III	three

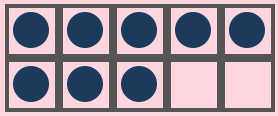
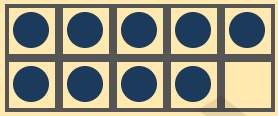
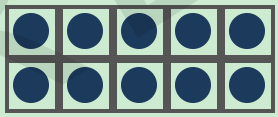
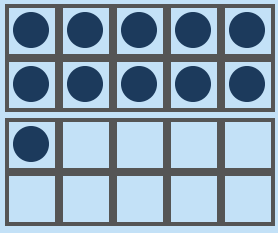
PREVIEW

Color a star when you finish!

Preview - Bright Path Sped

My name _____

Cut the pieces. Build the number.

8			eight
9			nine
10			ten
11			eleven

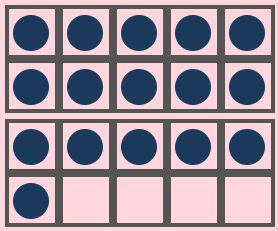
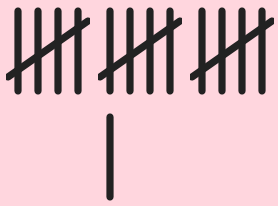
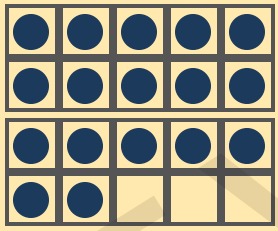
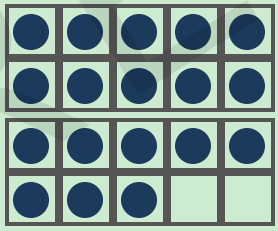
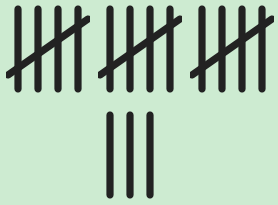
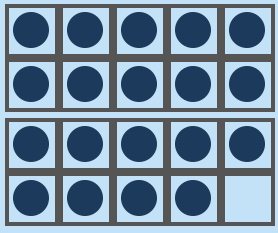
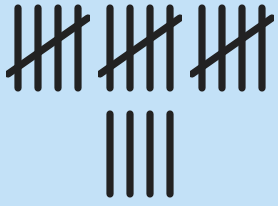
PREVIEW

Color a star when you finish!

Preview - Bright Path Sped

My name _____

Cut the pieces. Build the number.

16			sixteen
17			seventeen
18			eighteen
19			nineteen

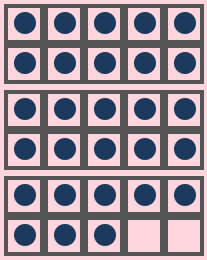
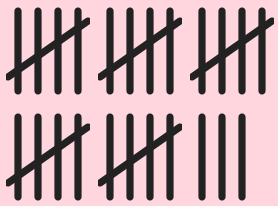
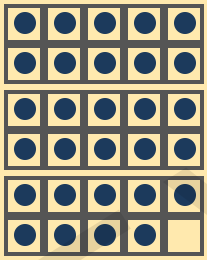
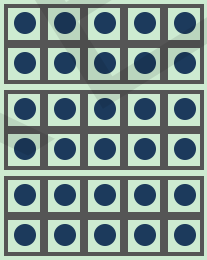
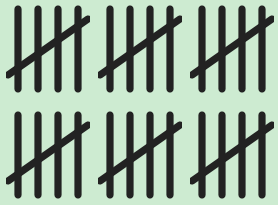
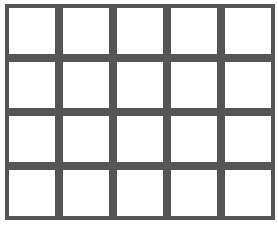
PREVIEW

Color a star when you finish!

Preview - Bright Path Sped

My name _____

Cut the pieces. Build the number.

28			twenty-eight
29			twenty-nine
30			thirty
			

PREVIEW

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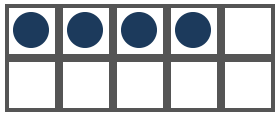
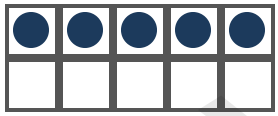
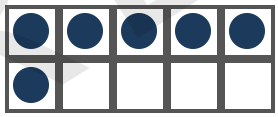
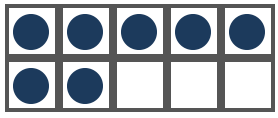
Preview - Bright Path Sped

My name _____

Cut the pieces. Build the number.

4			four
5			five
6			six
7			seven

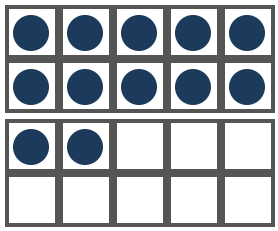
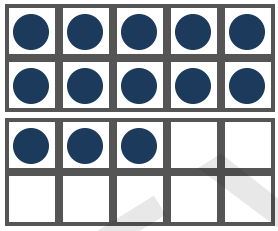
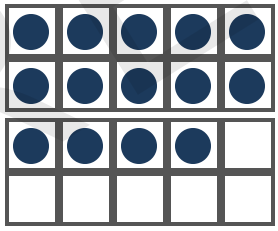
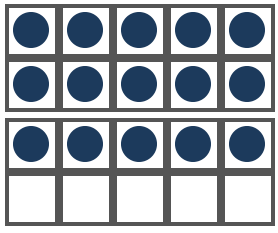
PREVIEW

Color a star when you finish!

Preview - Bright Path Shed

My name _____

Cut the pieces. Build the number.

12		twelve
13		thirteen
14		fourteen
15		fifteen

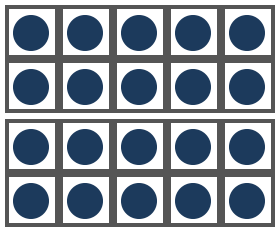
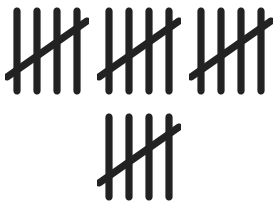
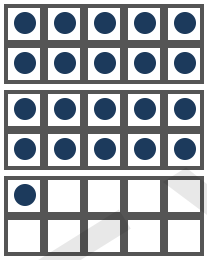
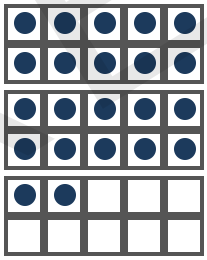
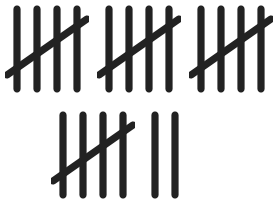
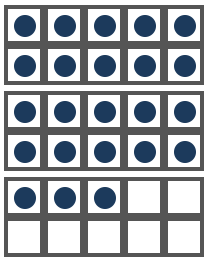
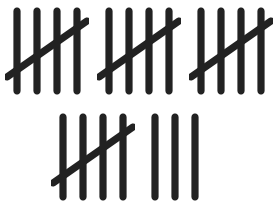
PREVIEW

Color a star when you finish!

Preview · Bright Path Sped

My name _____

Cut the pieces. Build the number.

20			twenty
21			twenty-one
22			twenty-two
23			twenty-three

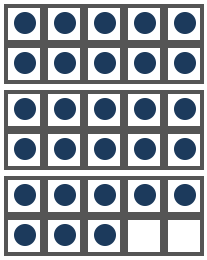
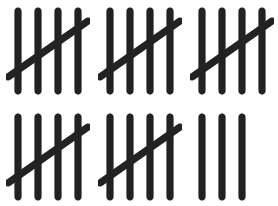
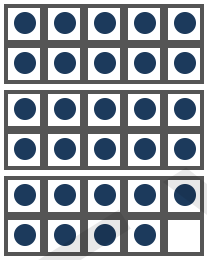
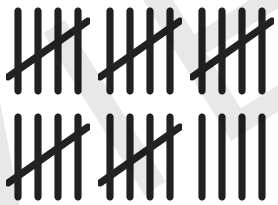
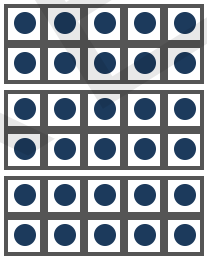
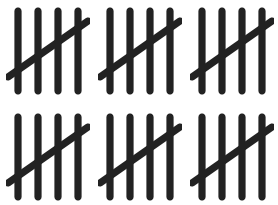
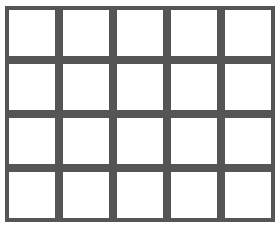
PREVIEW

Color a star when you finish!

Preview : Bright Path Sped

My name _____

Cut the pieces. Build the number.

28			twenty-eight
29			twenty-nine
30			thirty
			

PREVIEW

Color a star when you finish!

Answer Key A: Numbers 0 to 15

Every puzzle has four pieces: the numeral, the ten frames, the tally marks and the word. Page 1 of a set is page 6 for the first set, page 14 for the second and page 22 for the third. The last row of the last page of each set is the make-your-own puzzle.

Number	Word	Ten frames	Tally marks	Where to find it
0	zero	1 empty frame	none	page 1 of a set, row 1
1	one	1 dot	1 more	page 1 of a set, row 2
2	two	2 dots	2 more	page 1 of a set, row 3
3	three	3 dots	3 more	page 1 of a set, row 4
4	four	4 dots	4 more	page 2 of a set, row 1
5	five	5 dots	1 group of 5	page 2 of a set, row 2
6	six	6 dots	1 group of 5 + 1 more	page 2 of a set, row 3
7	seven	7 dots	1 group of 5 + 2 more	page 2 of a set, row 4
8	eight	8 dots	1 group of 5 + 3 more	page 3 of a set, row 1
9	nine	9 dots	1 group of 5 + 4 more	page 3 of a set, row 2
10	ten	1 full	2 groups of 5	page 3 of a set, row 3
11	eleven	1 full + 1 dot	2 groups of 5 + 1 more	page 3 of a set, row 4
12	twelve	1 full + 2 dots	2 groups of 5 + 2 more	page 4 of a set, row 1
13	thirteen	1 full + 3 dots	2 groups of 5 + 3 more	page 4 of a set, row 2
14	fourteen	1 full + 4 dots	2 groups of 5 + 4 more	page 4 of a set, row 3
15	fifteen	1 full + 5 dots	3 groups of 5	page 4 of a set, row 4

PREVIEW

Box Label and Sorting Cards

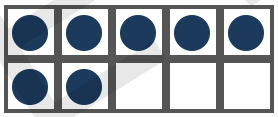
Print, cut and laminate. The label goes on the box. The four cards head four piles when a child sorts the pieces by kind before building.

NUMBER PUZZLES

0 to 30

7

Numeral



Ten frame



Tally

seven

Word

Box for (student or group) _____

Date made _____

PREVIEW

A Filled-In Practice Log (Invented Student)

Jamal is an invented student. Every total is added from the rows below; nothing is from memory.

Date	Numbers worked	Level	Puzzles on own	Notes
Nov 2	0-3	Color and number	2 of 4	Built 2 of 4 puzzles.
Nov 3	4-7	Color and number	3 of 4	Built 3 of 4 puzzles.
Nov 4	8-10	Color and number	3 of 3	Built 3 of 3 puzzles.
Nov 9	0-3	Color only	2 of 4	Built 2 of 4 puzzles.
Nov 10	4-7	Color only	3 of 4	Built 3 of 4 puzzles.
Nov 12	11-14	Color only	4 of 4	Built 4 of 4 puzzles.
Nov 13	0-3	Cut line only	1 of 4	Built 1 of 4 puzzles.
Nov 16	4-7	Cut line only	3 of 4	Built 3 of 4 puzzles.
Total	–	–	21 of 31	puzzles built on own

What the log shows

8 days, 21 puzzles built on own out of 31 tried (67.7 percent). The roll-up on page 36 sorts the same rows by set.

Teacher notes for this log

PREVIEW

Roll-Up: Puzzles on Own, by Set

The log on page 35, rolled up by set. The blank table below is for your own student.

Share built on own, by set (the example)



Sentence for the report

Over 8 days, the student built 21 of 31 puzzles without help: 8 of 11 with color and number clues, 9 of 12 with color clues and 4 of 8 with the cut line only.

Set	Days	Puzzles on own	Puzzles tried	Share on own
Color and number	3	8	11	72.7 percent
Color only	3	9	12	75.0 percent
Cut line only	2	4	8	50.0 percent
Total	8	21	31	67.7 percent

Your student, by set

Set	Days	Puzzles on own	Puzzles tried	Share on own
Color and number				
Color only				
Cut line only				

Next step for the team

PREVIEW

Progress Note Phrase Bank

16 starters in 4 groups. Each ends in a blank: finish it with a number or a word from the log, in your own words.

Progress note

- Built ____ of ____ puzzles without help at the ____ level.
- Needed help finding the ____ piece.
- Matched the numeral to the ten frame, then to the tally and the word.
- Moved from the ____ level to the ____ level on ____.
- Counted the dots out loud: ____.

Student feedback

- The cut line fits. You built it.
- You counted the dots.
- You matched the number and the word.
- That puzzle is ready for the next number.

Family update

- This week we built number puzzles for ____ to ____.
- At home, count ____ things with your child and say the number.
- Please keep the pieces in the bag so we can use them again.

Starters to say aloud

- Find the number.
- Count the dots with me.
- Which piece fits here?
- Say the number word.

Your own starters

_____

_____

_____

_____

_____

Why a seam helps

A jigsaw seam closes flush or leaves a sliver of daylight, so the child sees the answer without a word from you. Keep a rubber band, an envelope for each row and a spare bowl for stray pieces at hand.

PREVIEW