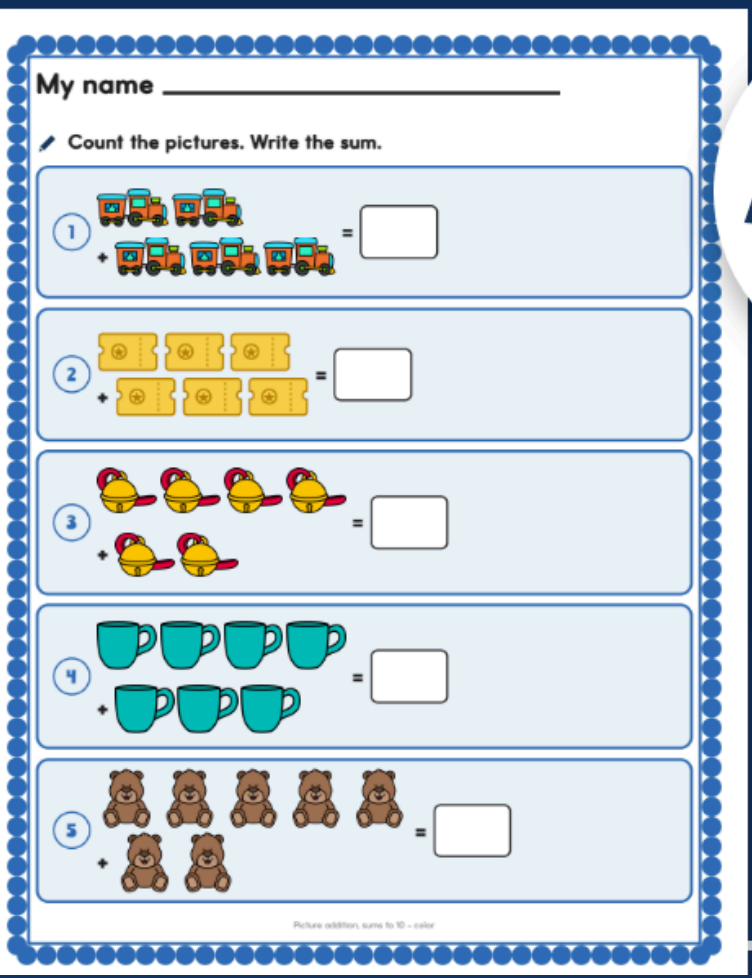
POLAR EXPRESS MATH

Addition, Subtraction, Tens and Ones, K-2





9 ACTIVITIES





Bright Path Sped

Start Here

Polar Express math: addition, subtraction, tens and ones, grades K-2

Quick start

1. Print the color pages, or the black-and-white copies on pages 12–20.
2. Give each child one page at their level. Starting: sums to 10, or numbers 10 to 29. Building: sums to 20, or numbers 20 to 59.
3. Do row 1 together first, then let the child go on alone.

Model it first: 2 trains and 3 trains make 5. Count all the pictures, then write the sum in the box. The subtraction pages work the same way: cross out the ones that go away, then count what is left.



What's inside

Activity	Pages	Level
Picture addition, sums to 10: count the pictures, write the sum	3	starting
Picture addition, sums to 20: 5 rows	4	building
Picture subtraction, within 10: cross out, write what is left	5	starting
Picture subtraction, within 20: 4 rows	6	building
Ticket sort: cut 8 tickets, glue 6 into three tens cars	7	building
Tens and ones trains, 10 to 29: 4 trains to count and write	8	starting
Tens and ones trains, 20 to 59: 4 trains to count and write	9	building
Draw the cars: 4 numbers, tens and ones boxes	10	building
Cut and glue: 6 trains to their numbers	11	building
Black-and-white copies of all 9 student pages	12–20	line art
Answer key, sample answers	21	–

How to use it

- Three kinds of work: pictures to add or take away (pages 3–6), tickets and trains to cut and glue (pages 7 and 11), and tens and ones to count, write and draw (pages 8–10).
- No level mark is printed on the student pages. The levels are in the table above, so no child's page looks easier.
- Cutting pages (7 and 11) have their pieces edge to edge, so each cut is one straight line. The ticket page has two extra tickets; say so before the child starts to cut.
- Ask the child to say the number aloud before writing it. Tens are groups of ten; ones are the rest.

Good to know

Every number, ticket, train and picture count in this pack is invented for practice. Your school's own math routines come first.

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Our class words for tens and ones: _____

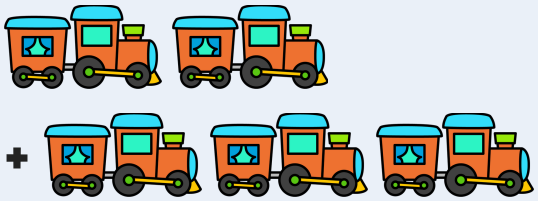
PREVIEW

Preview - Bright Path Shed

My name _____

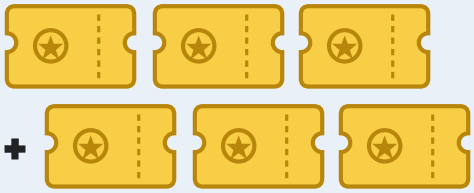
Count the pictures. Write the sum.

1



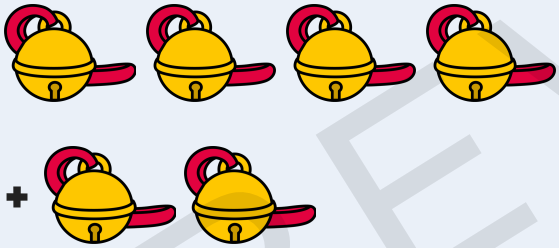
= ☐

2



= ☐

3



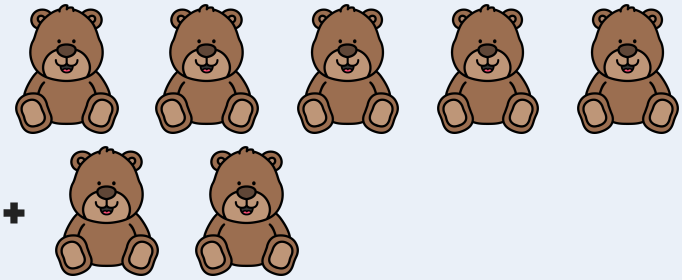
= ☐

4



= ☐

5



= ☐

PREVIEW

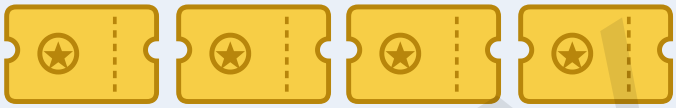
Preview - Bright Path Shed

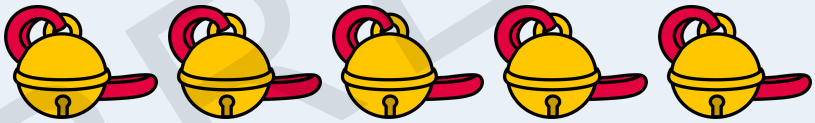
My name _____

Cross out the ones that go away. Write what is left.

Example  4 - 2 = 2

1  5 - 2 = ____

2  4 - 1 = ____

3  5 - 3 = ____

4  3 - 1 = ____

5  5 - 4 = ____

PREVIEW

Preview - Bright Path Shed

My name _____

✂ Cut the tickets. Glue each one in its car. Two are extra.

2 tens	3 tens	4 tens



Polar Express Math: all aboard!

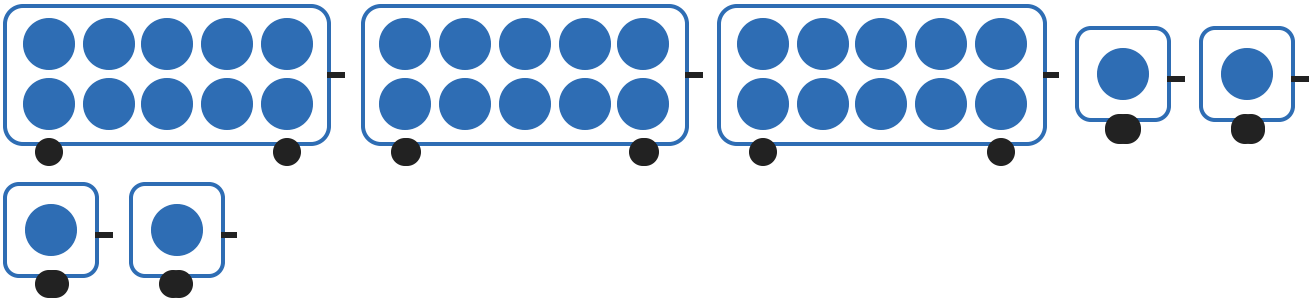
38	23	45	50
26	41	10	34

PREVIEW

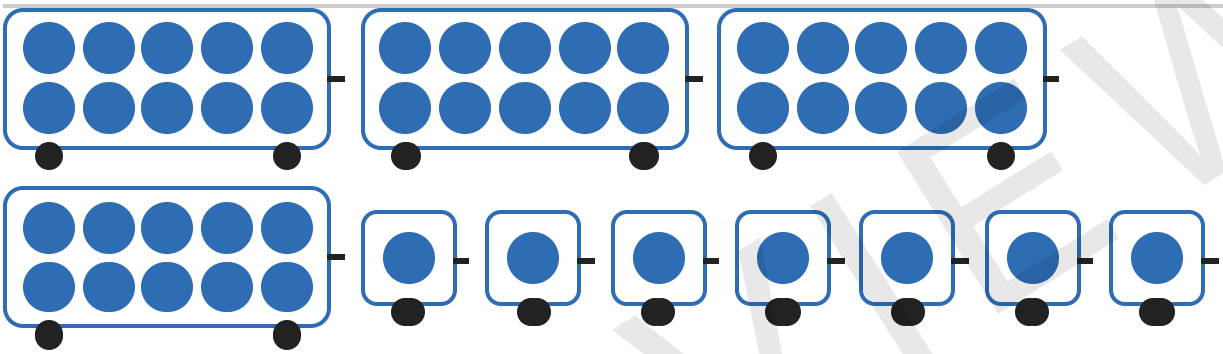
Preview - Bright Path Sped

My name _____

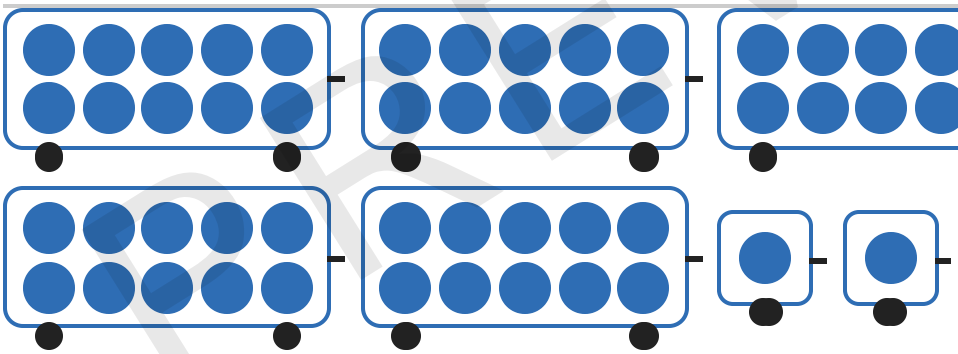
Count the cars. Write the number.



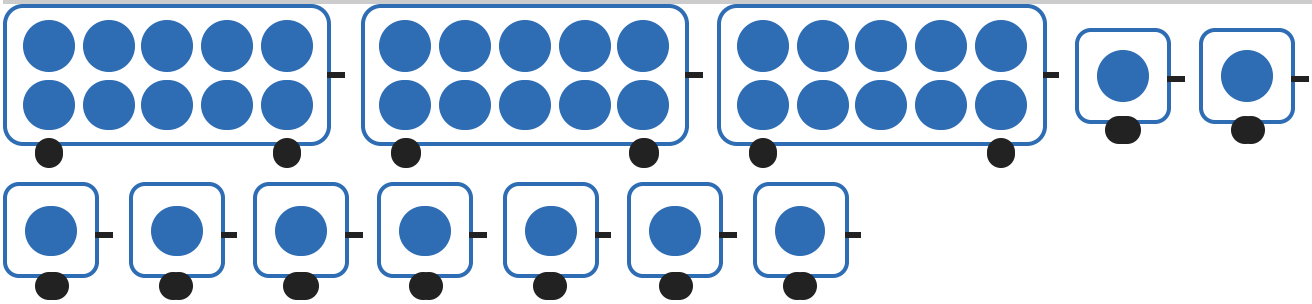
Write it: _____ tens _____ ones = _____



Write it: _____ tens _____ ones = _____



Write it: _____ tens _____ ones = _____



Write it: _____ tens _____ ones = _____

PREVIEW

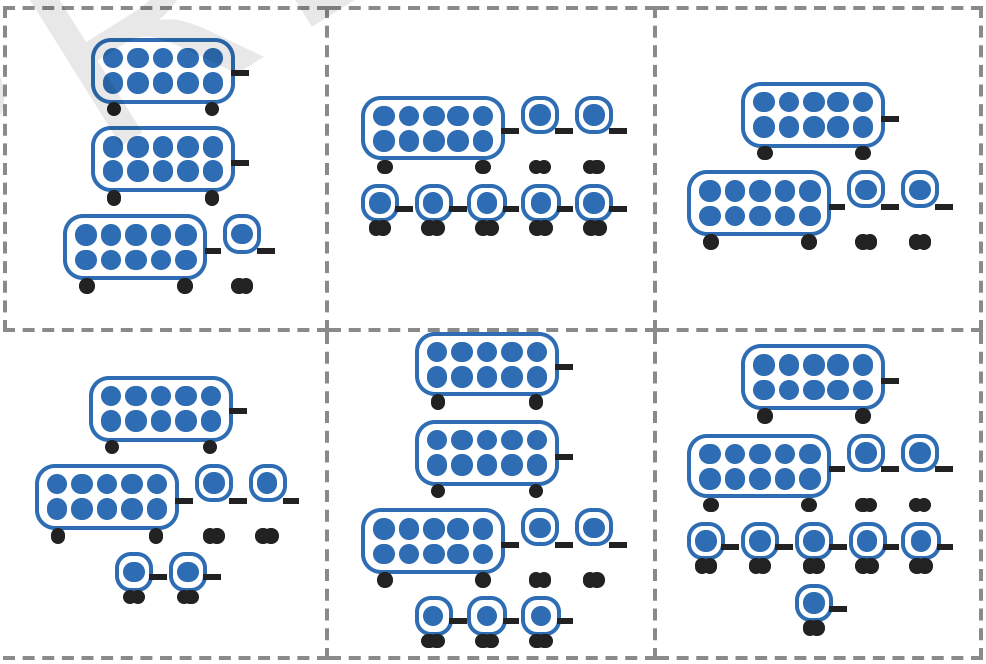
Preview - Bright Path Shed

My name _____

Cut the trains. Glue each train under its number.

24	31	17

22	28	35



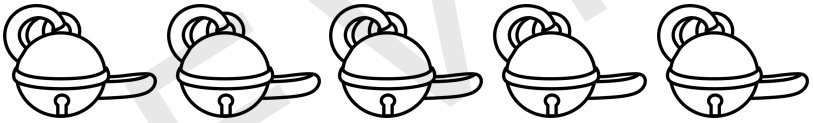
PREVIEW

My name _____

Count the pictures. Write the sum.

1. 6 +  = ☐

2. 7 +  = ☐

3. 9 +  = ☐

4. 11 +  = ☐

5. 12 +  = ☐

PREVIEW

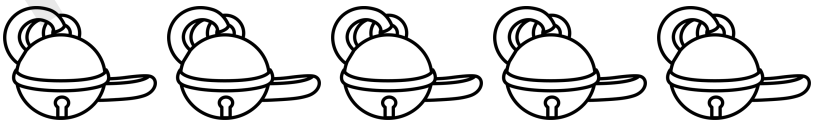
My name _____

Cross out the pictures. Write what is left.

Example **15** -  = **12**

1. **14** -  = ☐

2. **11** -  = ☐

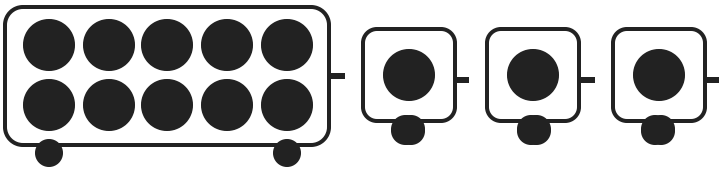
3. **13** -  = ☐

4. **12** -  = ☐

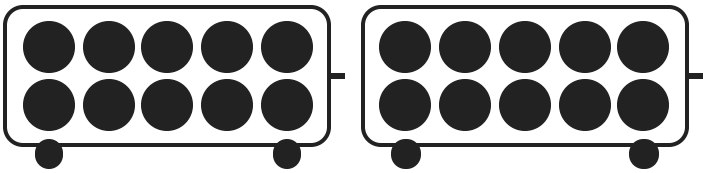
PREVIEW

My name _____

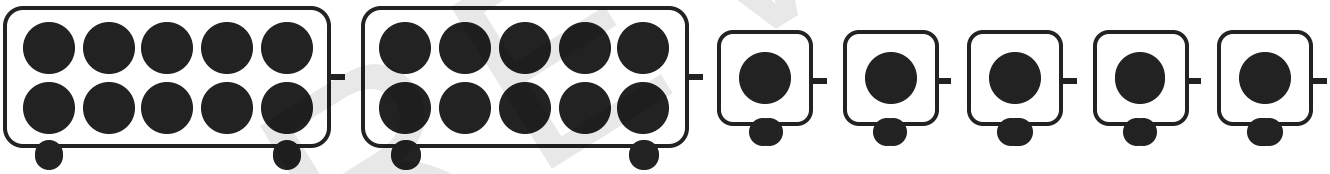
Count the cars. Write the number.



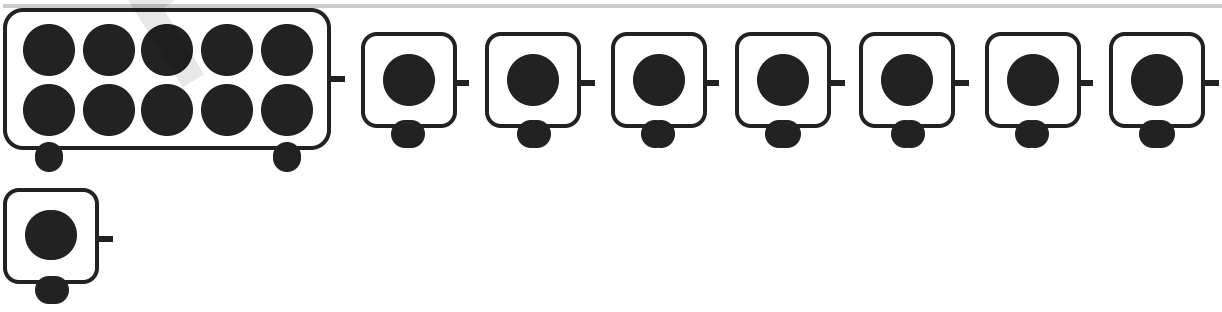
Write it: _____ tens _____ ones = _____



Write it: _____ tens _____ ones = _____



Write it: _____ tens _____ ones = _____



Write it: _____ tens _____ ones = _____

PREVIEW

My name _____

Draw the tens cars and the ones cars for each number.

	tens	ones
16		
23		
38		
45		

PREVIEW

Preview - Bright Path Sped

Answer Key

Sample answers, one row per student page. For the drawing and cutting pages, accept any work that matches the number: count the tens cars and the ones cars together.

Answers by page

Activity	Page	Answers
Picture addition, sums to 10	3	1. 5; 2. 6; 3. 6; 4. 7; 5. 7
Picture addition, sums to 20	4	1. 11; 2. 12; 3. 14; 4. 16; 5. 17
Picture subtraction, within 10	5	1. 3; 2. 3; 3. 2; 4. 2; 5. 1
Picture subtraction, within 20	6	1. 9; 2. 7; 3. 8; 4. 9
Ticket sort (cut and glue)	7	2 tens: 23, 26; 3 tens: 34, 38; 4 tens: 41, 45. Extra, left over: 50, 10.
Tens and ones, 10 to 29	8	13 = 1 tens, 3 ones; 20 = 2 tens, 0 ones; 25 = 2 tens, 5 ones; 18 = 1 tens, 8 ones
Tens and ones, 20 to 59	9	34 = 3 tens, 4 ones; 47 = 4 tens, 7 ones; 52 = 5 tens, 2 ones; 39 = 3 tens, 9 ones
Draw the cars	10	Any drawing that shows the right tens cars and ones cars for 16, 23, 38, 45.
Cut and glue, trains to numbers	11	24 = 2 tens, 4 ones; 31 = 3 tens, 1 ones; 17 = 1 tens, 7 ones; 22 = 2 tens, 2 ones; 28 = 2 tens, 8 ones; 35 = 3 tens, 5 ones. Each train goes under the matching number.

Modeled first item

Page 3, row 1. 2 trains and 3 trains make 5. Count all the pictures, then write the sum.

PREVIEW