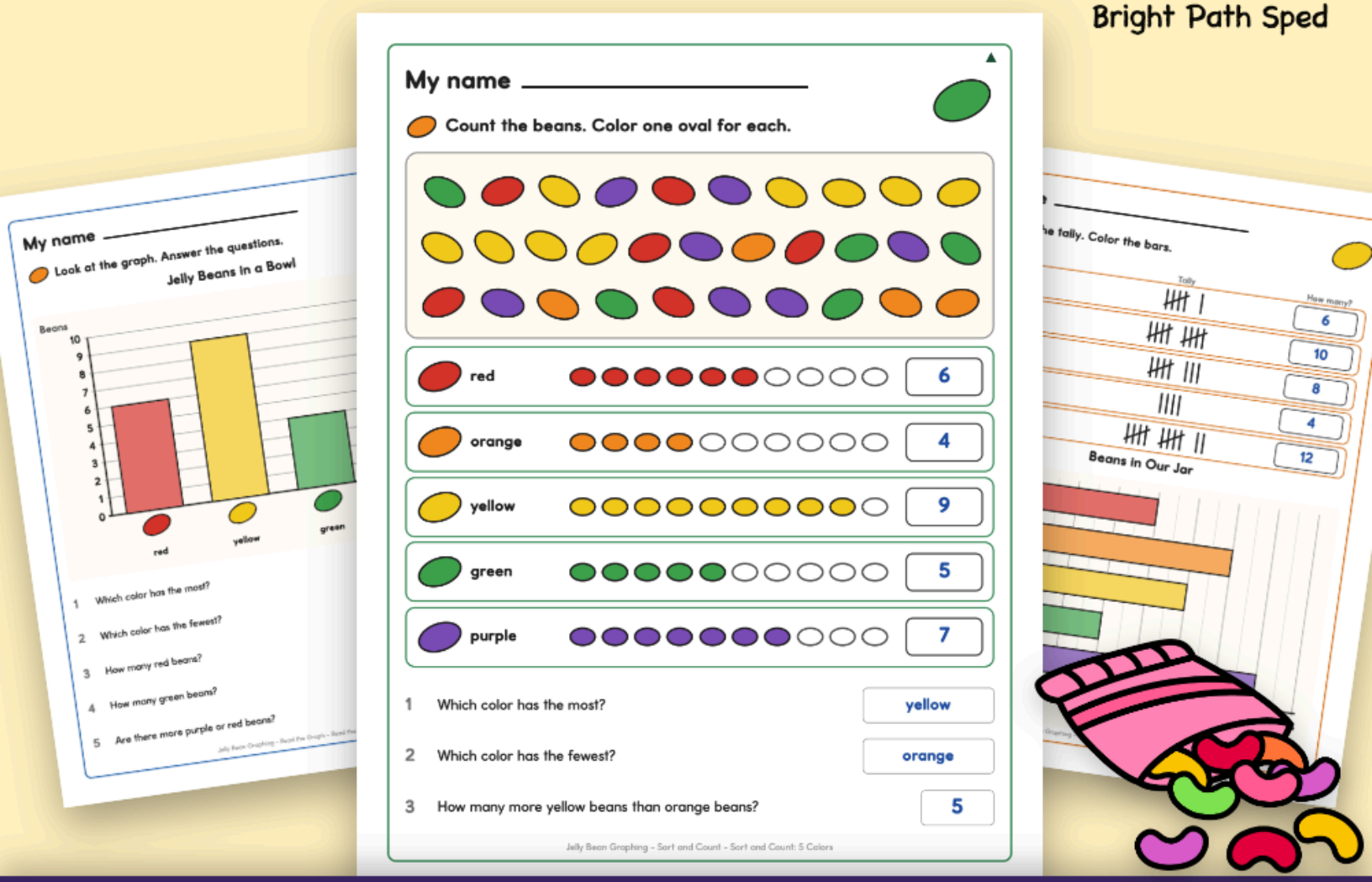
Bright Path Sped



JELLY BEAN GRAPHING

Sort, Tally and Graph Math

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One classroom license

- This file is for one classroom: one teacher, one group of students.
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This is a fillable PDF

- Open it in a PDF reader (Adobe Acrobat Reader, Preview, or your browser), click into a box, type, and Save As.
- The name line, the count boxes, the answer boxes and the graph labels are type-in fields. The ovals, tally marks and bars are colored and drawn by hand on a printed page.
- It works offline. No account, no subscription, no internet connection needed after you download it.

Print at 100 percent, in color

Turn off fit to page so the ovals and boxes stay big enough for small hands. Print the sorting and counting pages in color. The graph pages still work in black and white: every color word is printed next to its oval.

Student work

Keep any filled-in page with a name on it in your own files, and use a first name only on a page that leaves your hands. The survey page asks children about a favorite: keep the questions to favorites and choices.

Need help?

If a box will not behave or 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

Teacher Note

How the pages fit together, and how to run them.

Three ways to run a page

- **With real beans.** Hand each child a small cup of beans, counters or paper ovals and the bean mat (page 8). They sort, count, then move to a sort-and-count page. If you use real candy, follow your school's food rules.
- **With the pile on the page.** Every sort-and-count and tally page prints its own pile of ovals, so no beans are needed.
- **As a center.** Put one page from each section in a folder: sort, tally, graph, read. Children rotate through.

Words to say out loud

- **most** and **fewest**: the longest bar and the shortest bar.
- **more than** and **fewer than**: line two bars up and look at the part that sticks out.
- **tally**: one mark for each; four lines, then a slash across for five.
- **scale**: the numbers up the side. A scale of 2 counts 2, 4, 6.

What changes at each level

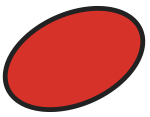
- **Circle:** three or four colors, numbers to 10, tally marks to trace, one bean for each tally.
- **Square:** four or five colors, tally marks to make, a scale of 2, questions that compare two bars.
- **Triangle:** five or six colors, tallies from a number, a scale of 5, each oval counts 2, equations to fill in.

Questions to ask while they work

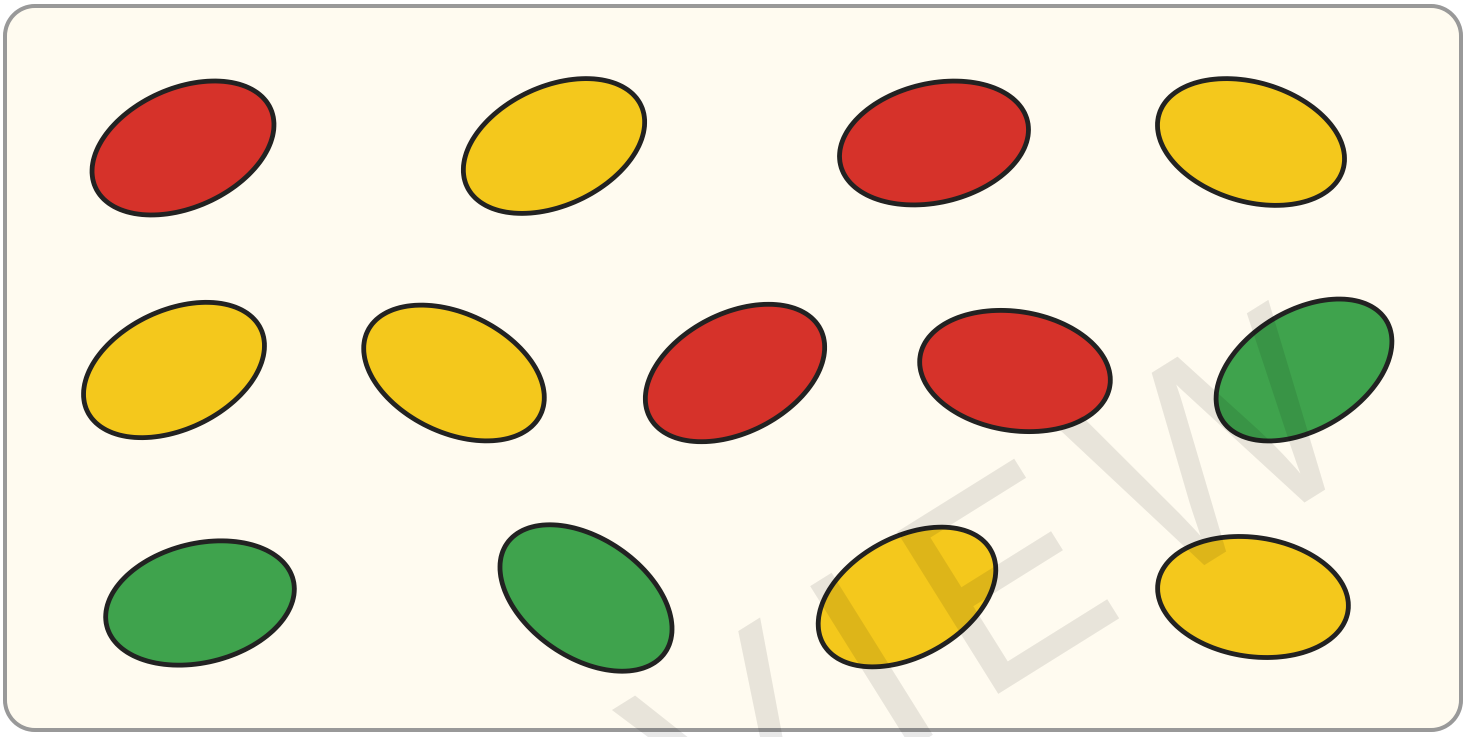
- Which color did you count first? How did you keep track?
- How can you tell which bar is longest without counting?
- If one more red bean came, which color would have the most?

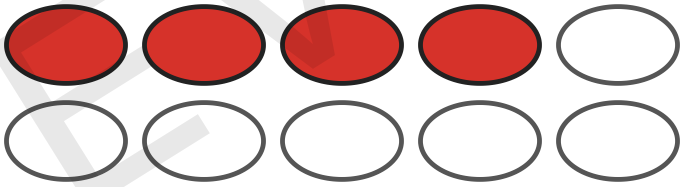
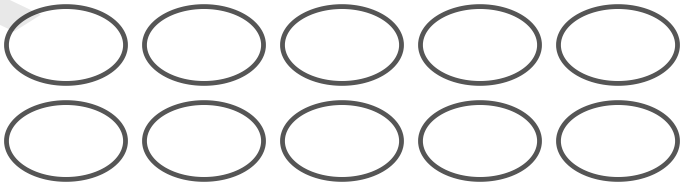
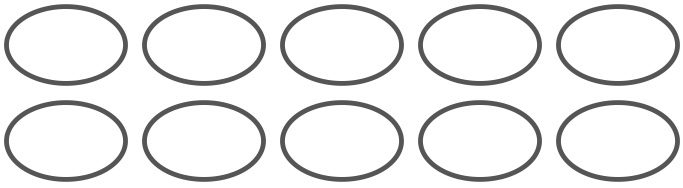
PREVIEW

My name _____



Color one oval for each. Row 1 is done.



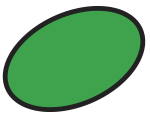
red		4
yellow		
green		

1 Which color has the most?

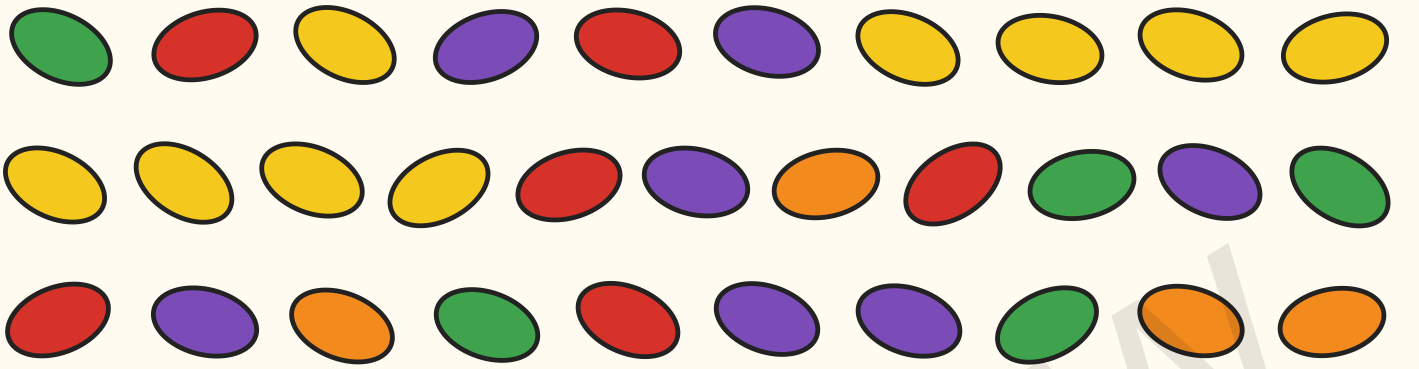
2 Which color has the fewest?

PREVIEW

My name _____



Count the beans. Color one oval for each.



red	○ ○ ○ ○ ○ ○ ○ ○ ○ ○	
orange	○ ○ ○ ○ ○ ○ ○ ○ ○ ○	
yellow	○ ○ ○ ○ ○ ○ ○ ○ ○ ○	
green	○ ○ ○ ○ ○ ○ ○ ○ ○ ○	
purple	○ ○ ○ ○ ○ ○ ○ ○ ○ ○	

1 Which color has the most?

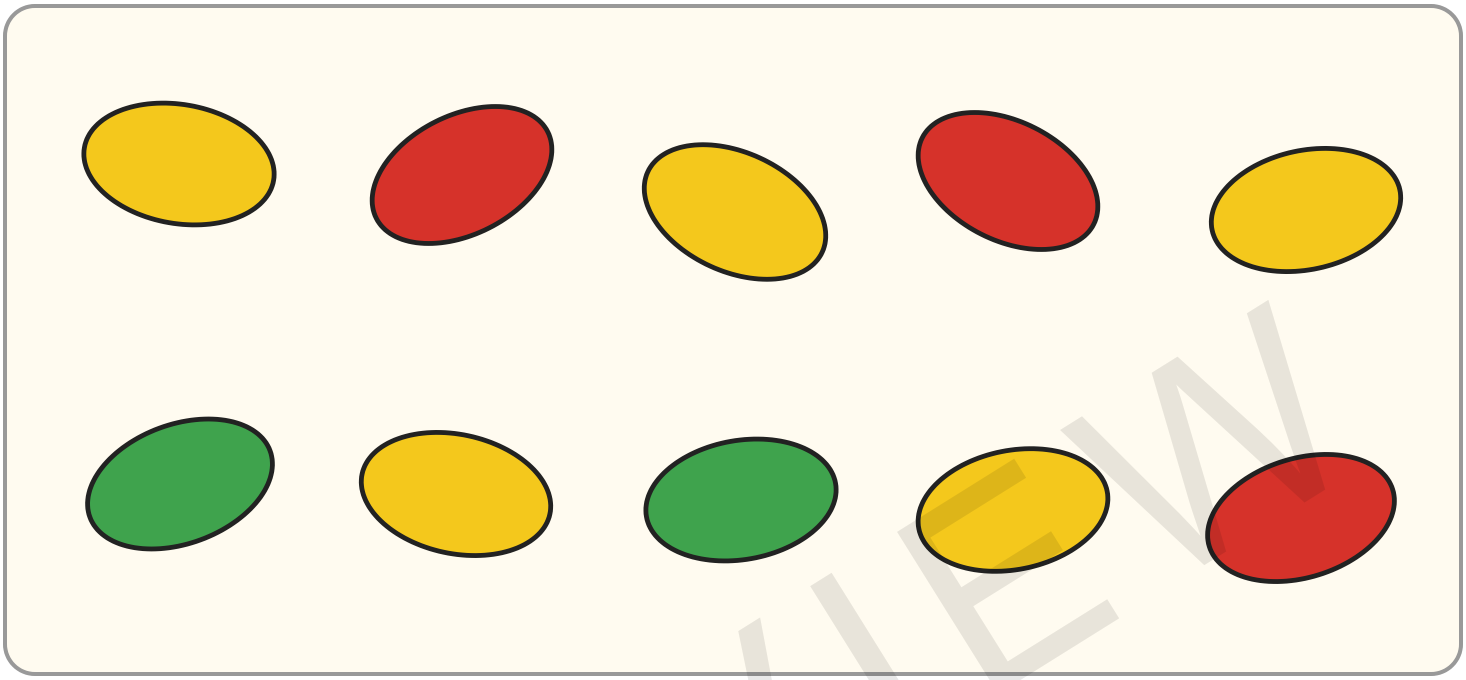
2 Which color has the fewest?

3 How many more yellow beans than orange beans?

PREVIEW

My name _____

Count each color. Trace the tally marks.



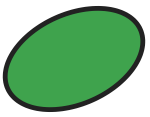
Color	Trace the tally	How many?
red	III	
yellow	IIII	
green	II	

1 Which color has the most?

2 How many beans in all?

PREVIEW

My name _____



Read the number. Make tally marks.

Color	Number	Make tally marks
red	12	
orange	8	
yellow	15	
green	6	
purple	11	
pink	9	

1 How many beans in all?

2 Which color has the most?

3 How many more yellow beans than green beans?

PREVIEW

My name _____

Color one oval for each bean.

Bean Jar: Each Oval Is 2 Beans

Color	Beans	Color one oval for each 2 beans
red	6	◯ ◯ ◯ ◯ ◯
orange	4	◯ ◯ ◯ ◯ ◯
yellow	8	◯ ◯ ◯ ◯ ◯
green	2	◯ ◯ ◯ ◯ ◯
purple	10	◯ ◯ ◯ ◯ ◯

Key: each oval = 2 beans

1 Which color has the most? ____

2 Which color has the fewest? ____

3 How many beans in all? ____

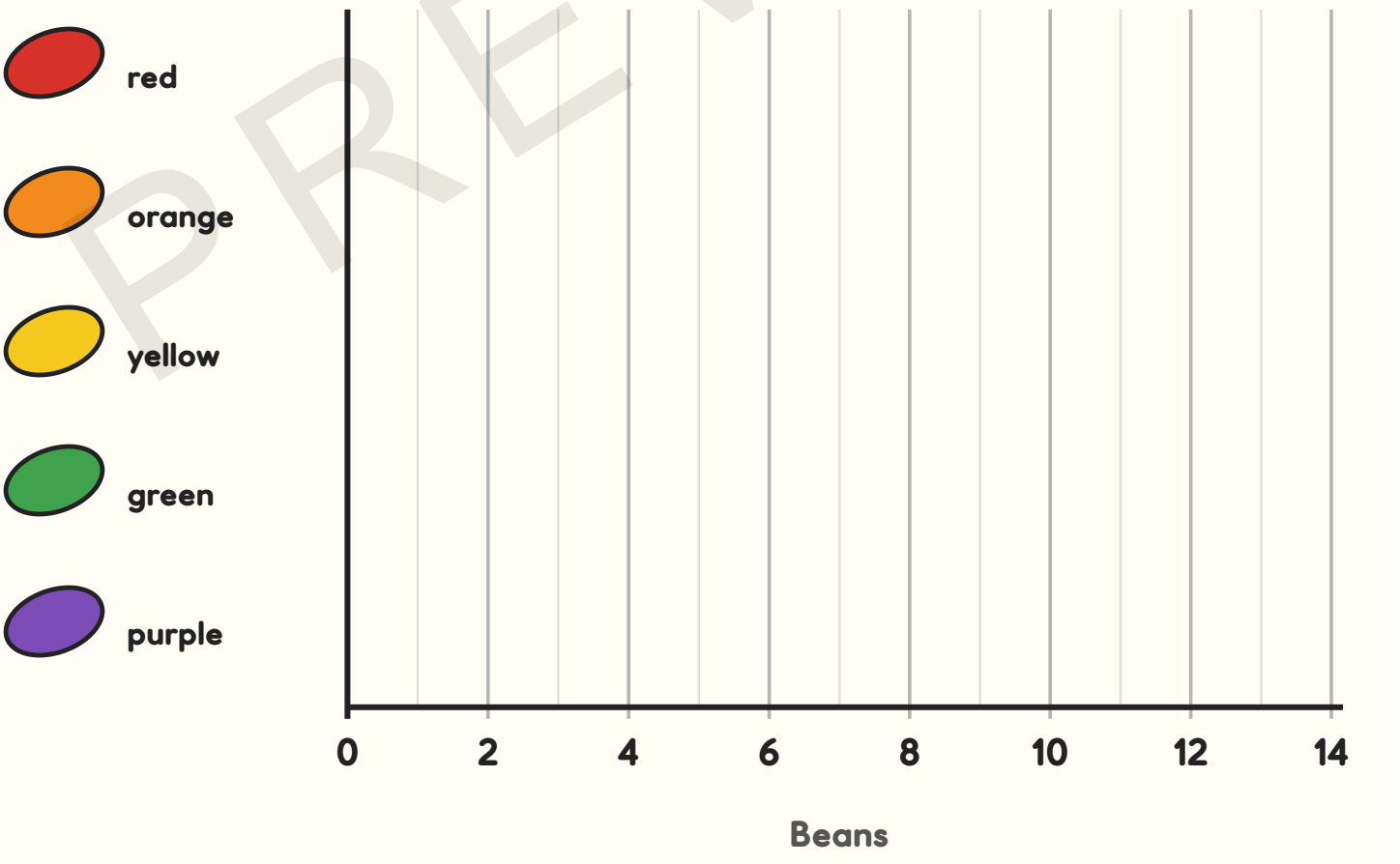
PREVIEW

My name _____

Count the tally. Color the bars.

Color	Tally	How many?
red	𝍸 |	
orange	𝍸 𝍸	
yellow	𝍸 |||	
green	||||	
purple	𝍸 𝍸 ||	

Beans in Our Jar



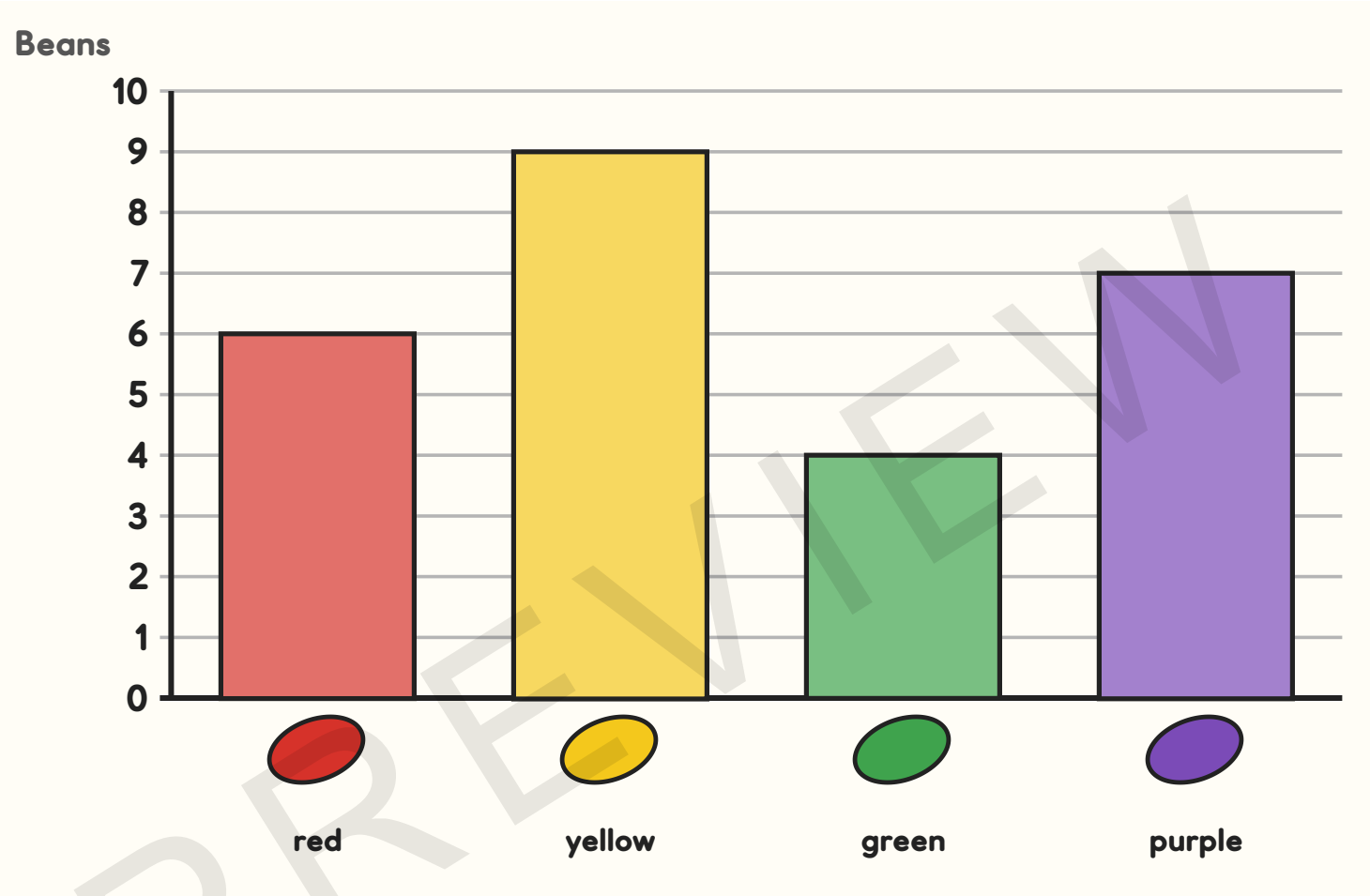
PREVIEW

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My name _____

Look at the graph. Answer the questions.

Jelly Beans in a Bowl



PREVIEW

1 Which color has the most? _____

2 Which color has the fewest? _____

3 How many red beans? _____

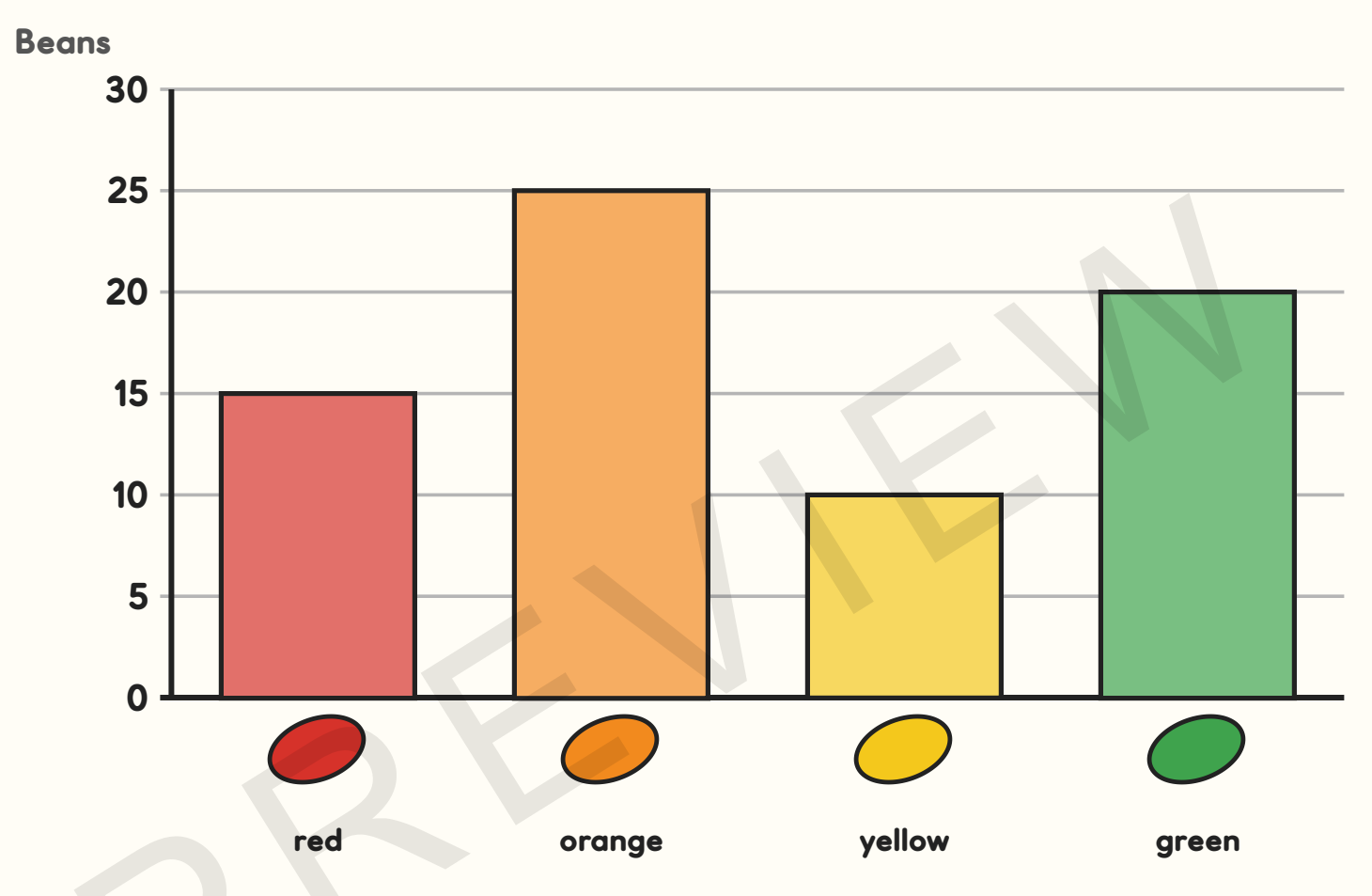
4 How many green beans? _____

5 Are there more purple or red beans? _____

My name _____

Look at the graph. Add or subtract.

Bean Count



PREVIEW

1 How many red and orange beans together? ☐ + ☐ = ☐

2 How many yellow and green beans together? ☐ + ☐ = ☐

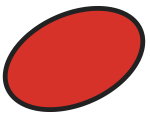
3 How many beans in all? ☐

4 How many more orange beans than yellow beans? ☐

5 How many fewer red beans than green beans? ☐

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My name _____



Make a bean graph. Color the bars.

My graph title

How many?



PREVIEW

What does my graph show?

Answer Key 1

Each answer is for the problem number on its page. Word answers name the color.

Page 5: Sort and Count: 3 Colors

red: 4 yellow: 6 green: 3 1) yellow
2) green

Page 6: Sort and Count: 4 Colors

red: 5 orange: 3 yellow: 7 purple: 4
1) yellow 2) 19

Page 7: Sort and Count: 5 Colors

red: 6 orange: 4 yellow: 9 green: 5
purple: 7 1) yellow 2) orange 3) 5

Page 9: Tally Marks: Trace

red: 3 yellow: 5 green: 2 1) yellow
2) 10

Page 10: Tally Marks: Draw

red: 6 orange: 4 yellow: 9 purple: 7
1) yellow 2) 26

Page 11: Tally Marks: From a Number

red: 12 orange: 8 yellow: 15 green: 6
purple: 11 pink: 9 1) 61 2) yellow 3) 9

Page 12: Picture Graph: One Oval for Each

red: color 3 ovals yellow: color 5 ovals
green: color 2 ovals purple: color 4 ovals
1) yellow 2) 14

Page 13: Picture Graph: Each Oval Is 2

red: color 3 ovals orange: color 2 ovals
yellow: color 4 ovals green: color 1 oval
purple: color 5 ovals 1) purple 2) green
3) 30

Checking the sorting and tally pages

- Sort and count: the number in each color box is how many ovals of that color are in the pile. Each row has that many ovals colored.
- Tally pages: four lines and a slash across make five. Count the groups of five first, then the ones left over.
- Picture graphs: one colored oval for each tally, or for each 2 beans on the second page.

A quick way to check a pile

Ask the child to point to each oval as they count it, and to say the color. A child who loses count can touch each oval and cover it with a counter or a finger.

PREVIEW

Graphs at Home

Send this page home with a child, or hand it to a family at a conference.

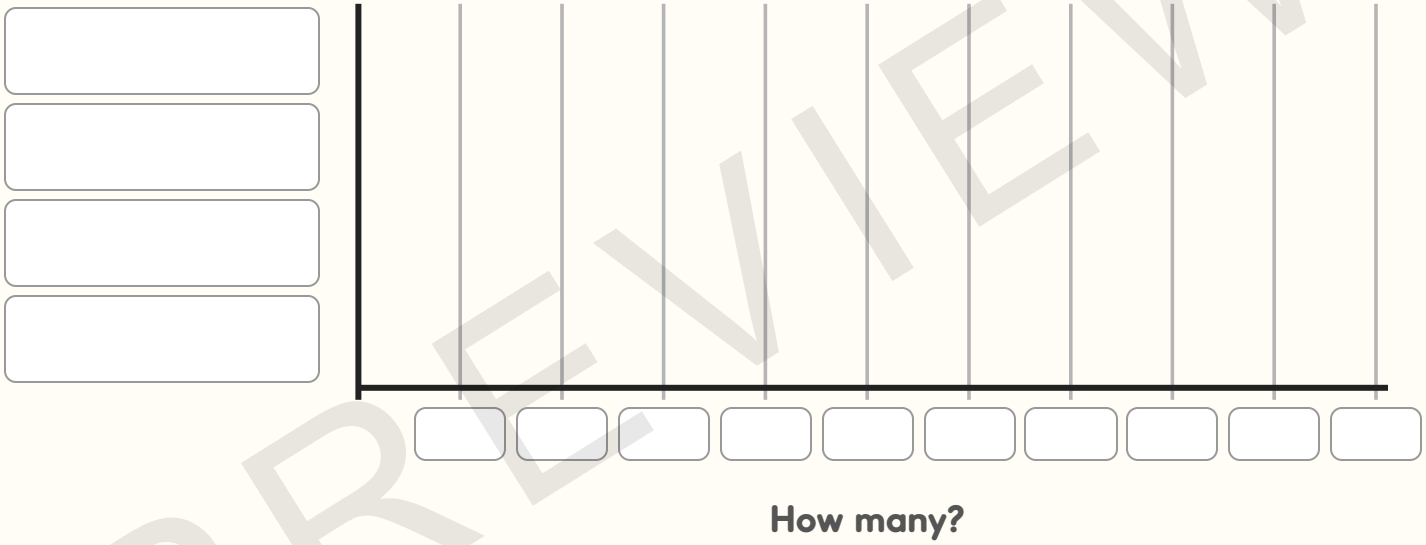
Student _____ Week of _____

How to help at home, in three steps

- Find 10 to 20 small things of a few colors: socks, buttons, blocks, cereal pieces, or a handful of paper ovals.
- Sort them by color. Make a tally mark for each one, then count the marks.
- Fill in the graph. Color one bar for each color and talk about which bar is longest.

Our family graph

What we sorted _____



Try saying

- "Which color has the most? How can you tell?"
- "Which has the fewest? How many fewer is it?"

Note from the teacher

Note from home

PREVIEW