Explore together

Measure, Estimate and Graph

Compare lengths with equal units and show counts in a bar chart.

Get ready: A pencil, some same-size blocks and a small object.

01 Line Up Equal Units

Put identical blocks in a row, starting at one end of the object.
Let the blocks touch without gaps or overlaps.
If it takes about six blocks, the length is about six block units.

02 One Square per Fruit

There are four apples, two pears and three bananas.
Start each bar at zero. Fill one square for each fruit.
The apple bar is two squares longer than the pear bar.



Ask as you play

“Can you show me how you know?” Let your child point, build, draw or tell.

Try it yourself

Measure, Estimate and Graph

Point, build, draw or tell. A grown-up can read each question.

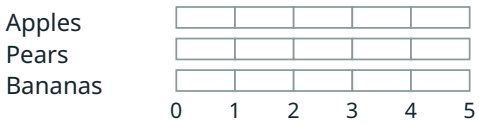
1

The top and bottom strips use the same-size squares. Which strip is longer? By how many squares?



2

Draw bars for 3 apples, 5 pears and 2 bananas. Start each bar at 0. Fill one square per fruit.



3

Look at this new chart. Which kind of fruit has the most? How many more are there than grapes?



4

Use the fruit chart in question 3. How many pieces of fruit are there altogether? Show how you counted.

5 • Try it if you want

Guess how many equal blocks long your pencil is. Then line up the blocks to check. Was your guess higher, lower or about right?

Parent answer key

Measure, Estimate and Graph

Keep this page with the grown-up.

1 The bottom strip is three units longer. It has 8 squares and the top strip has 5.

2 Fill 3 squares for apples, 5 for pears and 2 for bananas, each starting from zero.

3 Oranges. There are 5 oranges and 2 grapes, so there are 3 more oranges than grapes.

4 11 pieces of fruit: 5 + 2 + 4. Counting all filled squares also works.

5 Answers vary. Check that the blocks start at the pencil end and touch without gaps or overlaps. Compare the estimate with the measurement.

What did you notice?

Tried alone, tried with help, or skipped? Pointing, building and explaining all count.

Next time

Make a new chart with toys at home. Ask what one filled square stands for.