

Measurement, Sorting and Data: math practice, Kindergarten – download the PDF

21 problems graded by difficulty (★ easy, ★★ medium, ★★★ hard). Try first, without looking at the solutions!

1 Longer or shorter?

★ ★ ★

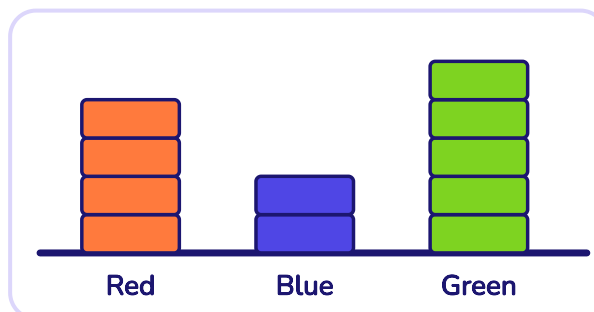
A snake is 8 cubes long. A worm is 3 cubes long.

- Which one is longer?
- Which one is shorter?

2 Which tower is the tallest?

★ ★ ★

Look at the three towers.

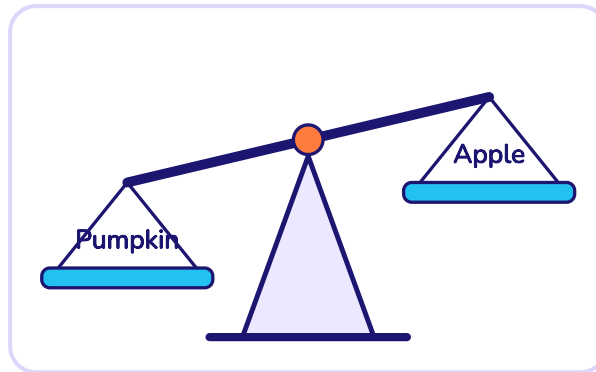


Which tower is the tallest? Which tower is the shortest?

3 Heavier or lighter?



Look at the scale.



Which is heavier? Which is lighter?

4 Sort the buttons by color



Mia has 3 red buttons, 2 blue buttons and 4 yellow buttons. She sorts them by color. How many buttons are in each group?

5 Pick the right word



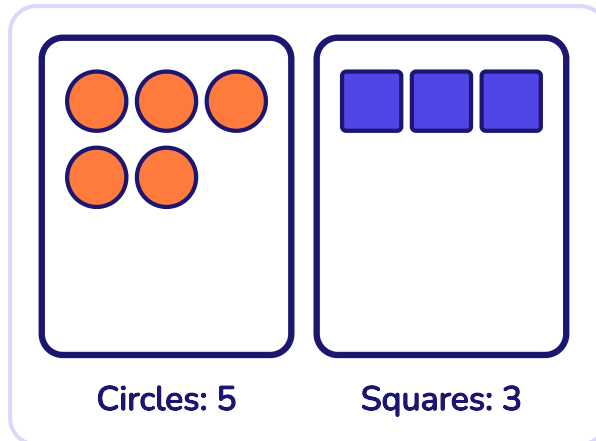
Fill in the blank with *taller*, *longer* or *heavier*.

- a. A giraffe is ____ than a cat.
- b. A rope that is 10 cubes is ____ than a rope that is 4 cubes.
- c. A rock is ____ than a leaf.

6

Count the shapes

Look at the boxes.



How many shapes are there in all?

7

Read the pet graph

This picture graph shows the pets of our class.

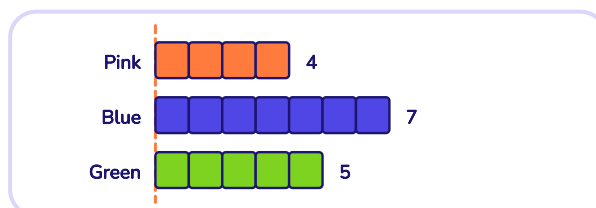


Which pet has the most children? Which has the fewest?

8

Order the ribbons

Look at the ribbons.



Put them in order from the shortest to the longest.

9**Paper clip measure**

A pencil is 5 paper clips long. A marker is 8 paper clips long. How many more paper clips long is the marker?

10**Sort the toys**

A basket has 4 toy cars, 6 blocks and 2 dolls. Sort them by kind. Which group is the biggest? Which group is the smallest?

11**Fewest to most**

A shop has 6 apples, 4 pears and 5 plums. Put the fruits in order from the fewest to the most.

12**Make a picture graph**

In one week there were 3 sunny days, 3 cloudy days and 1 rainy day. Draw a picture graph with one circle for each day. Then say which kind of day happened the least.

13**True or false?**

Is the sentence true or false? Explain.

“A shorter object is always lighter.”

14**How many more?**

There are 7 red cars and 4 blue cars. How many more red cars than blue cars are there?

15 Three towers puzzle



Ana's tower is taller than Ben's tower. Ben's tower is taller than Cy's tower. Who has the tallest tower? Who has the shortest tower? Put them in order from shortest to tallest.

16 Find the missing count



15 children chose a club. 4 chose soccer and 6 chose swimming. The rest chose art. How many chose art?

17 Toy box data



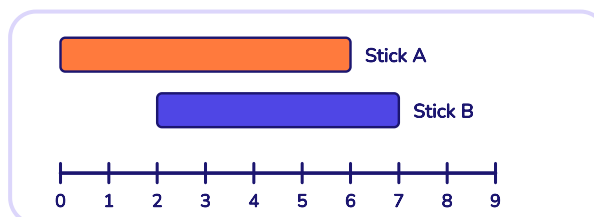
A box holds 5 cars, 4 balls and 3 blocks.

- How many toys are in the box?
- How many more cars than blocks?
- Which group has fewer than the balls?

18 Where does it start?



Two sticks sit on a line of cubes.



Stick B ends farther to the right. Is it longer? How many cubes long is each stick?

19 Sort in two ways



Eight shapes: 2 big red circles, 3 small red squares, 1 big blue square and 2 small blue circles. Sort them by color. Then sort them by shape. Give the counts.

20

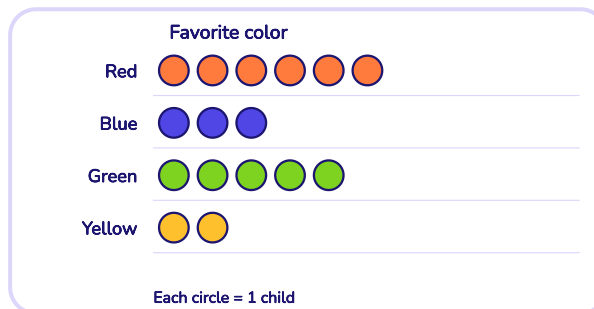
Heavy chain

Box A is heavier than box B. Box B is heavier than box C. Put the boxes in order from the lightest to the heaviest. Is box C heavier than box A?

21

Graph detective

Our class voted for a color.



- How many children voted?
- How many more chose red than yellow?
- How many fewer chose blue than green?

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Speed drill for Kindergarten: how many in 60 seconds?



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