

Counting Objects and Cardinality: math practice, Kindergarten – download the PDF

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

1 Count the stars



Touch each star and count. How many stars are there?



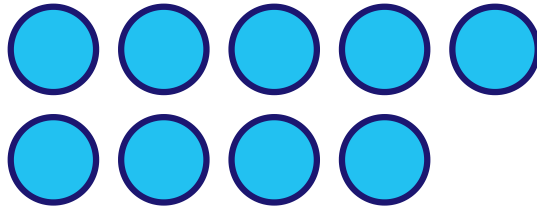
2 Touch and say



Mia counts her crayons. She touches them and says: one, two, three, four. What number tells how many crayons she has?

3**Count and write**

Count the counters. Write the numeral that tells how many.

**4****The empty bowl**

A fish bowl has no fish in it. Which numeral shows how many fish are in the bowl?

5**What comes next?**

Say the numbers in order and write the missing number.

- a. three, four, five, ____
- b. seven, eight, ____
- c. one, two, ____

6**Numbers and words**

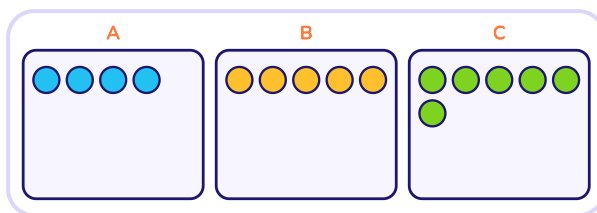
Write the numeral for each number word.

- a. two
- b. five
- c. eight
- d. ten

7

Which plate has five?

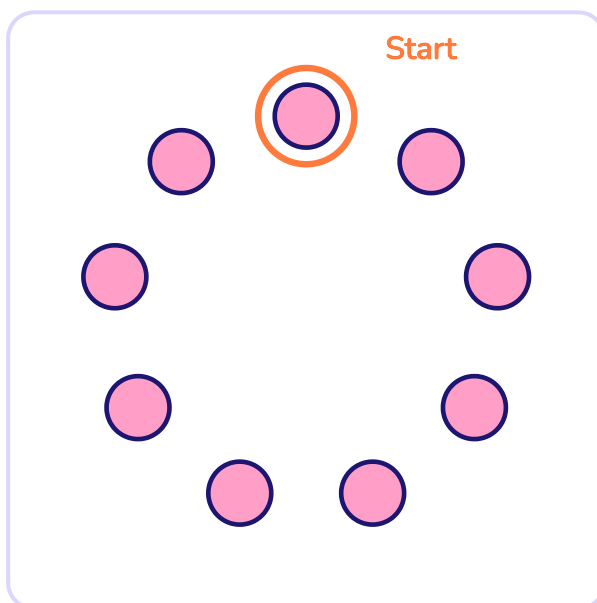
Look at plates A, B and C. Which plate has five counters?



8

A circle of flowers

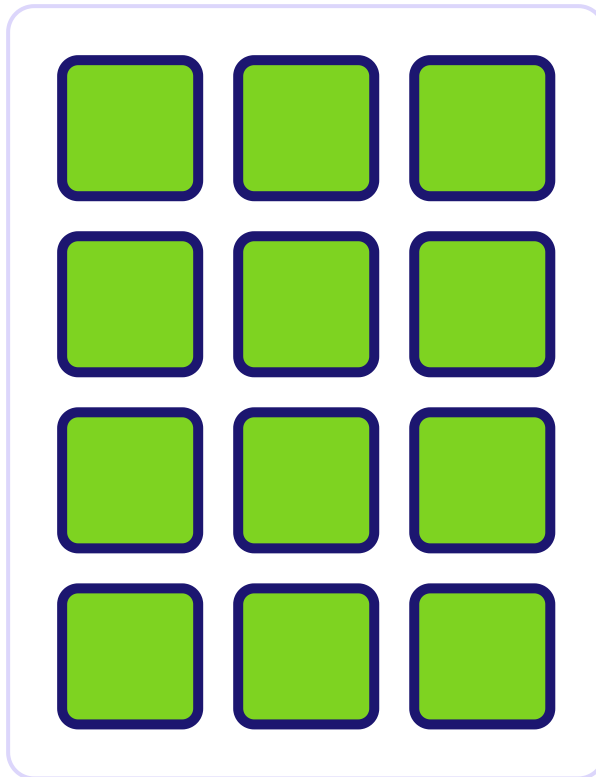
Nine flowers grow in a circle. The first flower has a ring around it. Count the flowers. How many are there?



9

Count the rows

The squares are in rows. How many squares are in each row? How many squares are there in all?



10

Count out eight

Ben moves counters from a pile into a cup, counting out loud. He wants eight counters in the cup. Which number word does he say when he puts in the last counter? How many are in the cup?

11

Find the mistake

There are six apples in a row. Kai counts: one, two, three, five, six, seven. He says there are seven apples. Is he right? What went wrong?

12 Match the groups



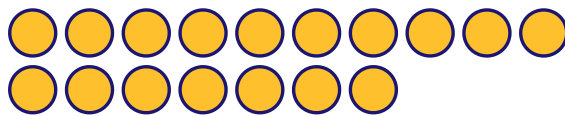
Count each group of counters. Then write which numeral card matches each group: A, B and C.

A		
B		
C		

13 Counting past ten



A full row has ten counters. The second row has some more. Count all of the counters. What is the last number you say?



14 Same number, new shape



Leo has six blocks in a row. He pushes them into a pile. How many blocks are in the pile?

15 Next number word



Write the number word that comes next.

- a. nine, ten, ____
- b. twelve, thirteen, ____
- c. seventeen, eighteen, ____

16 Eighteen stars

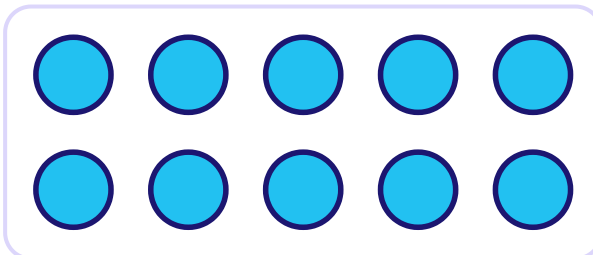
Count all of the stars. Then tell how many more stars you would need to have twenty.

**17 Twelve buttons**

Ms. Ortiz counts out buttons for a jar. She wants twelve buttons. She says “ten, eleven, twelve” while placing the last three. Then Zoe says there should be thirteen. Who is right?

18 Keep going from five

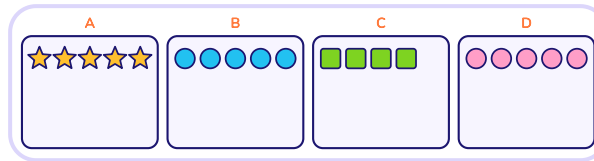
The top row of this array is numbered one to five. Zeke wants to count the second row. Which number word does he say for the first counter in the second row? Which number is the last counter?



19 Which group is different?

★★★

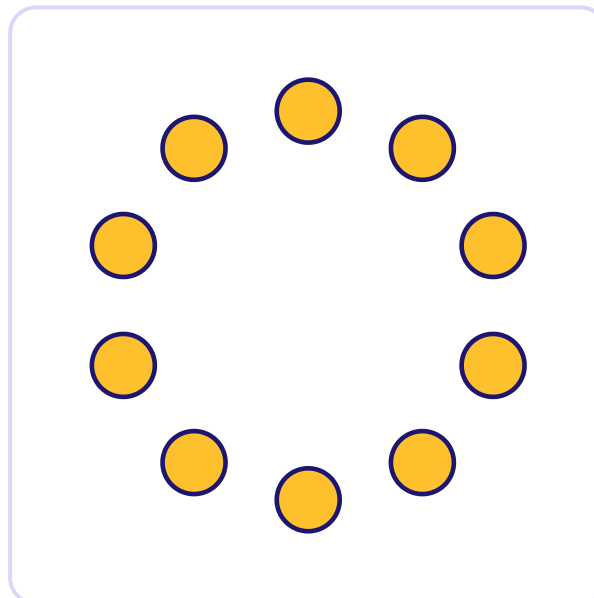
Count each plate. One plate does not have the same number of objects as the others. Which one is it?



20 Bead loop mistake

★★★

Tom counts the beads on this loop. He does not mark the first bead and ends up saying eleven. But the loop has ten beads. What did Tom do wrong, and how can he fix it?



21 True or false?

★★★

Is this sentence true or false? Explain. "If I count a pile of toy cars in a different order, the last number I say might be different, even though I count every car once."

22**Number riddles**

Solve each riddle. Write the number word and the numeral.

- a. I come right after six.
- b. I am the number of dots on an empty plate.
- c. I come right before ten.
- d. I come right after fourteen.

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