

**K:1** How many blocks?  
[Student tells how many.]

[Teacher slowly rearranges.]  
If you count the blocks, how many do you think there will be?

**K:2** There are 4 on the floor  
and 6 on the bed.  
How many are there?

**K:3** Say the counting numbers. Also say the missing numbers.

9    10    11    \_\_\_\_\_    14

55    56    57    58    59    \_\_\_\_\_

**K:4** Are both of the bears correct?  
[Student uses manipulatives to answer.]

"There are 3 squares."

"These two triangles can be put together to make a new triangle."

**K:5** [Teacher puts 3 red counters on table.]  
Put some blue counters here to make 10 counters in all. [Student completes this task.]  
How many counters did you add?  
[Student determines the answer.]  
Write the missing number:  $3 + \underline{\quad} = 10$

**K:6** Are there more shells or more sea stars ?

**K:7** Hazel told a story. Write or say two numbers that will make Hazel's story true.

I have 10 pennies in my hands.

I have \_\_\_\_\_ pennies in my left hand.

I have \_\_\_\_\_ pennies in my right hand.

What other numbers will also make Hazel's story true?

**K:8** [Teacher holds out 5 paper clips.]  
**How many do I have?**  
[Student counts the paper clips.]  
[Teacher puts both hands behind back, then brings out 0, 1, 2, 3, 4, or 5 paper clips in one hand.]  
**How many are in this hand?**  
[Student counts the paper clips.]  
**How many are in my other hand?**

**K:9**                    6    5

Point to the greater number. [Student points.] Tell me how you decided.

**K:10** 5 dogs were playing.  
Then 3 more dogs came.  
How many dogs are here now?

**K:11** 9 birds were in a tree.  
5 birds flew away.  
How many birds are there now?

**K:12** Draw 16 circles. Use a [favorite color] marker for 10 of them. Use a pencil for the rest. [Student draws.]  
How many are [favorite color]? How many are in pencil?  
Write the missing number:  $16 = 10 + \underline{\quad}$

**K:13** Write or say the missing numbers.

$3 + 1 = \underline{\quad}$                      $2 + 3 = \underline{\quad}$

$5 + 0 = \underline{\quad}$                      $2 - 2 = \underline{\quad}$

$4 - 3 = \underline{\quad}$                      $5 - 3 = \underline{\quad}$

**K:14** Are there more land animals or more sea animals?

elephant	clownfish	gorilla
dolphin	mantis	snake
seahorse	octopus	shark

# Math Milestones™ Task List — Kindergarten



Math Milestones™ was created by Jason Zimba, John W. Staley, Elizabeth Meier, Sandra Alberti, Harold Asturias, and Phil Daro.

Math Milestones™ tasks are not designed for summative assessment. Used formatively, the tasks can reveal and promote student thinking. Student work on tasks could be collected in student portfolios.

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Some Math Milestones™ tasks have been designed using image resources from Pixabay.com and illustration resources from Flaticon.com.

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The 14 Math Milestones™ tasks for kindergarten have been carefully crafted to embody kindergarten mathematics on one page.

<b>K:1</b> How Many Blocks?	👉	C P	K.CC.B.4
<b>K:2</b> Two Groups of Books		C A	K.OA.A.2
<b>K:3</b> Say the Numbers (Teens, Decades)		P	K.CC.A.1, 2
<b>K:4</b> Bears Talk About Shapes	👉	C	K.G.A.2, K.G.B.4,6
<b>K:5</b> Adding to Make a Group of Ten	👉	C	K.OA.A.4
<b>K:6</b> More Shells or More Stars?		C P	K.CC.B.5
<b>K:7</b> Ten Pennies, Two Hands	👉	C P	K.OA.A.3, 4
<b>K:8</b> Five Behind the Back	👉	C	K.OA.A
<b>K:9</b> Compare 6 and 5		C P	K.CC.B.4c, K.CC.C.7
<b>K:10</b> Hello, Dogs		C A	K.OA.A.2
<b>K:11</b> Bye-Bye, Birds		C A	K.OA.A.2
<b>K:12</b> Make Ten and Some More		C	K.NBT.A.1
<b>K:13</b> Fluency within Five		P	K.OA.A.5
<b>K:14</b> Animals from Land and Sea	👉	A	K.MD.B.3

C = Task has a conceptual focus. P = Task has a procedural skill & fluency focus. A = Task has an application focus. 👉 = Task is designed for use with manipulatives or objects. Students might also use manipulatives to support their work on other tasks.

## Standards for Mathematical Practice

<b>MP.1</b> Make sense of problems and persevere in solving them.	K:5–8, K:12
<b>MP.2</b> Reason abstractly and quantitatively.	K:1, K:5, K:8, K:9, K:12
<b>MP.3</b> Construct viable arguments and critique the reasoning of others.	K:9
<b>MP.4</b> Model with mathematics.	K:2, K:7, K:10, K:11, K:14
<b>MP.5</b> Use appropriate tools strategically.	K:4, K:5
<b>MP.6</b> Attend to precision.	K:3, K:6, K:13
<b>MP.7</b> Look for and make use of structure.	K:5, K:12
<b>MP.8</b> Express regularity in repeated reasoning.	K:3, K:7

Standards codes refer to [www.corestandards.org](http://www.corestandards.org). One purpose of the codes is that they may allow a task to shed light on the Standards cited for that task. Conversely, reading the cited Standards may suggest opportunities to extend a task or draw out its implications. Finally, Standards codes may also assist with locating relevant sections in curriculum materials, including materials aligned to comparable standards.