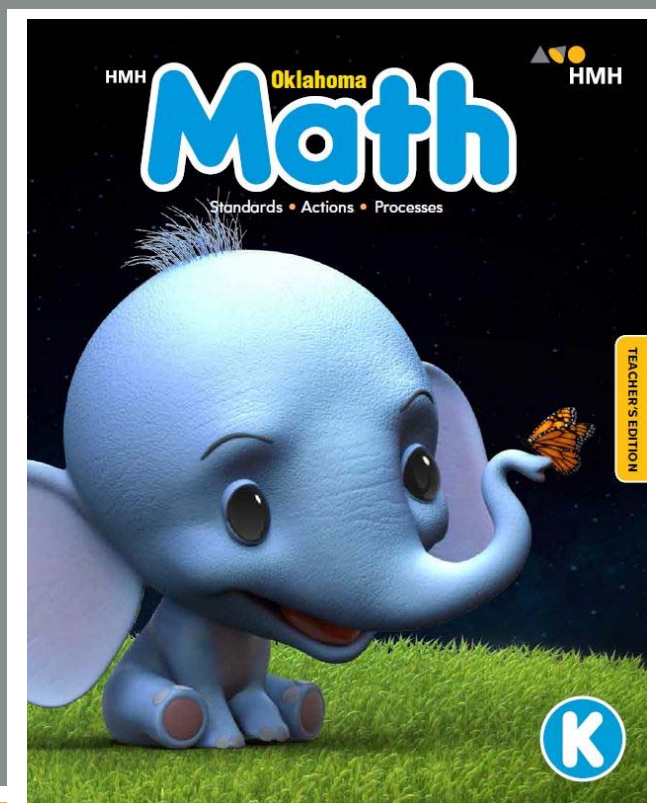


# Correlation to the Oklahoma Academic Standards for Mathematics Grade K



Houghton Mifflin Harcourt  
Oklahoma Math: Standards, Actions,  
Processes ©2019  
Grade K



**Houghton Mifflin Harcourt**  
***Oklahoma Math: Standards, Actions, Processes*** ©2019  
**Grade K**

correlated to the

**Oklahoma Academic Standards for Mathematics (2016)**  
**Grade K**

Citations	Standard	Descriptor
<b>K.N.1 Understand the relationship between quantities and whole numbers.</b>		
SE/TE: 79–80, 81–82, 83–84, 85–86	K.N.1.1	Count aloud forward in sequence to 100 by 1’s and 10’s.
SE/TE: 3–4, 5–6, 7–8, 9–10, 13–14, 15–16, 17–18, 21–22, 23–24, 33–34, 35–36, 37–38, 39–40, 43–44, 45–46, 47–48, 49–50, 51–52, 61–62, 63–64	K.N.1.2	Recognize that a number can be used to represent how many objects are in a set up to 10.
SE/TE: 75–76	K.N.1.3	Use ordinal numbers to represent the position of an object in a sequence up to 10.
SE/TE: 71–72	K.N.1.4	Recognize without counting (subitize) the quantity of a small group of objects in organized and random arrangements up to 10.  <b>Clarification statement:</b> Subitizing is defined as instantly recognizing the quantity of a set without having to count. “Subitizing” is not a vocabulary word and is not meant for student discussion at this age.
SE/TE: 65–66, 73–74	K.N.1.5	Count forward, with and without objects, from any given number up to 10.
SE/TE: 3–4, 5–6, 7–8, 9–10, 13–14, 15–16, 17–18, 21–22, 23–24, 33–34, 35–36, 37–38, 39–40, 43–44, 45–46, 47–48, 49–50, 51–52, 61–62, 63–64, 115–116, 117–118	K.N.1.6	Read, write, discuss, and represent whole numbers from 0 to at least 10. Representations may include numerals, pictures, real objects and picture graphs, spoken words, and manipulatives.
SE/TE: 101–102	K.N.1.7	Find a number that is 1 more or 1 less than a given number up to 10.

**Houghton Mifflin Harcourt *Oklahoma Math: Standards, Actions, Processes, Grade K* ©2019 correlated to the Oklahoma Academic Standards for Mathematics, Grade K (2016)**

<b>Citations</b>	<b>Standard</b>	<b>Descriptor</b>
SE/TE: 51–52, 95–96, 97–98, 99–100, 103–104, 105–106, 107–108, 109–110, 111–112	K.N.1.8	Using the words more than, less than or equal to compare and order whole numbers, with and without objects, from 0 to 10.
<b>K.N.2 Develop conceptual fluency with addition and subtraction (up to 10) using objects and pictures.</b>		
SE/TE: 19–20, 67–68, 127–128, 129–130, 131–132, 133–134, 135–136, 137–138, 139–140, 143–144, 145–146, 147–148, 149–150, 151–152, 161–162, 163–164, 165–166, 167–168, 171–172, 173–174, 175–176	K.N.2.1	Compose and decompose numbers up to 10 with objects and pictures.
<b>K.N.3 Understand the relationship between whole numbers and fractions through fair share.</b>		
SE/TE: 69–70	K.N.3.1	Distribute equally a set of objects into at least two smaller equal sets.
<b>K.N.4 Identify coins by name.</b>		
SE/TE: 185–186, 187–188, 189–190, 191–192	K.N.4.1	Identify pennies, nickels, dimes, and quarters by name.
<b>K.A.1 Duplicate patterns in a variety of contexts.</b>		
SE/TE: 207–208, 209–210, 211–212	K.A.1.1	Sort and group up to 10 objects into a set based upon characteristics such as color, size, and shape. Explain verbally what the objects have in common.
SE/TE: 225–226, 227–228, 229–230, 231–232, 235–236, 237–238, 239–240, 241–242	K.A.1.2	Recognize, duplicate, complete, and extend repeating, shrinking and growing patterns involving shape, color, size, objects, sounds, movement, and other contexts.
<b>K.GM.1 Recognize and sort basic two-dimensional shapes and use them to represent real-world objects.</b>		
SE/TE: 251–252, 255–256, 259–260, 263–264	K.GM.1.1	Recognize squares, circles, triangles, and rectangles.
SE/TE: 207–208, 209–210, 211–212, 213–214	K.GM.1.2	Sort two-dimensional objects using characteristics such as shape, size, color, and thickness.
SE/TE: 253–254, 257–258, 261–262, 265–266, 269–270	K.GM.1.3	Identify attributes of two-dimensional shapes using informal and formal geometric language interchangeably.

**Houghton Mifflin Harcourt *Oklahoma Math: Standards, Actions, Processes, Grade K* ©2019 correlated to the Oklahoma Academic Standards for Mathematics, Grade K (2016)**

<b>Citations</b>	<b>Standard</b>	<b>Descriptor</b>
SE/TE: 271–272, 273–274	K.GM.1.4	Use smaller shapes to form a larger shape when there is an outline to follow.
SE/TE: 291–292	K.GM.1.5	Compose free-form shapes with blocks.
SE/TE: 283–284, 285–286, 287–288, 289–290	K.GM.1.6	Use basic shapes and spatial reasoning to represent objects in the real world.
<b>K.GM.2 Compare and order objects according to location and measurable attributes.</b>		
SE/TE: 301–302, 303–304, 305–306, 309–310, 311–312	K.GM.2.1	Use words to compare objects according to length, size, weight, position, and location.
SE/TE: 313–314, 315–316	K.GM.2.2	Order up to 6 objects using measurable attributes, such as length and weight.
SE/TE: 215–216	K.GM.2.3	Sort objects into sets by more than one attribute.
SE/TE: 317–318	K.GM.2.4	Compare the number of objects needed to fill two different containers.
<b>K.GM.3 Tell time as it relates to daily life.</b>		
SE/TE: 195–196, 197–198	K.GM.3.1	Develop an awareness of simple time concepts using words such as yesterday, today, tomorrow, morning, afternoon, and night within his/her daily life.
<b>K.D.1 Collect, organize, and interpret categorical data.</b>		
SE/TE: 115–116	K.D.1.1	Collect and sort information about objects and events in the environment.
SE/TE: 115–116	K.D.1.2	Use categorical data to create real-object and picture graphs.
SE/TE: 115–116, 117–118	K.D.1.3	Draw conclusions from real-object and picture graphs.