

**Houghton Mifflin Harcourt**  
***Math Expressions, Grade K* © 2013**

correlated to the

**Pennsylvania Common Core Standards for Mathematics**  
**Grade K**

Standard	Descriptor	Citations
<b>Standards for Mathematical Practice</b>		
•	Make sense of problems and persevere in solving them.	Representative Pages: SAB: 11, 12, 35, 53, 71, 72, 73, 83, 84, 161, 162 TE: 34, 35, 36, 51, 92, 94, 105, 106, 107, 111, 114, 115, 124, 128, 136, 148, 149, 160, 163, 171, 178, 192, 193, 296
•	Reason abstractly and quantitatively.	Representative Pages: SAB: 26, 32, 61, 84, 99, 127, 128, 131, 144, 151, 166, 168, 177 TE: 25, 56, 74, 85, 94, 110, 141, 192, 193, 195, 205, 221, 226, 228, 265, 270, 276, 278, 288, 321, 330, 331, 336, 357, 373, 400
•	Construct viable arguments and critique the reasoning of others.	Representative Pages: SAB: 17, 29, 62, 78, 80, 81, 82, 122, 130, 152, 188, 194 TE: 16, 26, 46, 52, 78, 95, 105, 121, 142, 175, 181, 185, 189, 195, 206, 214, 222, 229, 241, 246, 251, 260, 265, 272
•	Model with mathematics.	Representative Pages: SAB: 21, 27, 65, 198, 213, 214, 243, 244 TE: 3, 13, 36, 41, 42, 43, 60, 62, 66, 75, 88, 93, 146, 152, 157, 167, 188, 194, 206, 227, 246, 319, 338, 348, 349, 401, 441
•	Use appropriate tools strategically.	Representative Pages: SAB: 129, 217, 218, 219, 220, 221, 222, 223, 224, 257 TE: 73, 93, 120, 140, 188, 194, 237, 250, 254, 282, 284, 314, 319, 354, 356, 368, 382, 410, 413, 439, 447, 452

Standard	Descriptor	Citations
•	Attend to precision.	Representative Pages: SAB: 18, 22, 23, 24, 25, 26, 30, 31, 36, 48, 51, 52, 54, 57, 58, 60, 77 TE: 2, 9, 12, 21, 24, 30, 48, 49, 53, 60, 61, 63, 67, 70, 72, 79, 82, 93, 94, 106, 117, 125, 129, 133, 137, 170, 180
•	Look for and make use of structure.	Representative Pages: SAB: 7, 47, 59, 69, 70, 75, 95, 96, 105, 115, 121, 135, 136 TE: 4, 8, 20, 26, 40, 47, 88, 92, 111, 116, 120, 124, 132, 136, 156, 161, 162, 163, 166, 174, 179, 210, 211, 212, 215
•	Look for and make sense of regularity in repeated reasoning.	Representative Pages: SAB: 33, 34, 100, 106, 110, 111, 112, 132, 139, 140, 142, 181 TE: 17, 31, 50, 57, 71, 89, 93, 175, 188, 228, 233, 236, 241, 243, 247, 250, 261, 264, 276, 285, 289, 292, 301, 305
<b>2.1 Numbers and Operations</b>		
<b>2.1.K Pennsylvania’s public schools shall teach, challenge, and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to:</b>		
<b>(A) Counting &amp; Cardinality</b>		
<b>CC.2.1.K.A.1</b>	Know number names and write and recite the count sequence.	SAB: 25–28, 31–32, 45–46, 53–54, 57–58, 59–60, 61–62, 63–64, 65–66, 71–72, 79–80, 81–82, 89–90, 97–98, 103–104, 107–108, 109–110, 121–122, 127–128, 129–130, 131–132, 139–140, 161–162, 167–170, 185–186, 209–210, 215–216, 217–218, 225–226, 233, 235, 237, 243–244, 245–246, 249–250, 251–252, 261–262, 263–264 TE: 30–31, 70–75, 82–85, 104–107, 110–111, 124–125, 132–133, 136–137, 140–143, 146–149, 152–153, 156–157, 166–167, 170–171, 174–175, 184–185, 188–189, 204–207, 226–229, 232–237, 240–243, 246–247, 270–273, 276–279, 282–285, 288–289, 304–305, 342–345, 372–377, 422–423, 462–463, 466–469, 478–479, 482–483, 492–495, 512–513, 520–521, 524–525, 534–535, 538–541, 554–555, 564–567

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<b>CC.2.1.K.A.2</b>	Apply one-to-one correspondence to count the number of objects.	<p>SAB: 7–8, 9, 11–12, 21–22, 23–24, 25–28, 29–30, 31–32, 33–34, 49–50, 53–54, 59–60, 63–64, 65–66, 71–72, 79–80, 93–94, 152, 157–158, 161–162, 177–178, 185–186, 197–198, 213–214</p> <p>TE: 2–5, 8–9, 12–13, 16–17, 20–21, 24–27, 30–31, 34–37, 40–43, 56–57, 60–63, 66–67, 70–75, 78–79, 82–85, 88–89, 114–117, 128–129, 136–137, 146–149, 152–153, 170–171, 184–185, 210–217, 330–333, 336–339, 342–345, 398–401, 422–423, 438–441, 472–475</p>
<b>CC.2.1.K.A.3</b>	Apply the concept of magnitude to compare numbers and quantities.	<p>SAB: 21–22, 23–24, 25–28, 29–30, 31–32, 33–34, 61–62, 79–80, 127–128, 131–132, 165–166, 171–172, 197–198, 209–210, 249–250, 251–252, 261–262</p> <p>TE: 40–43, 56–57, 60–63, 66–67, 70–75, 78–79, 82–85, 88–89, 120–121, 140–143, 184–185, 264–267, 276–279, 288–289, 360–363, 386–389, 438–441, 466–469, 534–535, 538–541, 554–555</p>
<b>(B) Numbers &amp; Operations in Base Ten</b>		
<b>CC.2.1.K.B.1</b>	Use place value to compose and decompose numbers within 19.	<p>SAB: 93–94, 103–104, 107–108, 129–130, 135–136, 139–140, 141–142, 161–162, 177–178, 185–186, 189–190, 215–216, 217–218, 219, 221, 223, 225–226, 231–232, 247–248, 251–252, 253–256, 257–258, 261–262, 263–264</p> <p>TE: 210–217, 220–223, 232–237, 240–243, 250–251, 282–285, 292–293, 300–301, 304–305, 308–311, 314–315, 342–345, 354–357, 366–369, 398–401, 422–423, 430–431, 478–479, 482–483, 486–489, 492–495, 508–509, 528–531, 538–541, 544–547, 550–551, 554–555, 564–567</p>

Standard	Descriptor	Citations
<b>2.2 Algebraic Concepts</b>		
<b>2.2.K Pennsylvania’s public schools shall teach, challenge, and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to:</b>		
<b>(A) Operations and Algebraic Thinking</b>		
<b>CC.2.2.K.A.1</b>	Extend the concepts of putting together and taking apart to add and subtract within 10.	SAB: 25–28, 49–50, 53–54, 53–54, 57–58, 61–62, 63–64, 65–66, 81–82, 107–108, 109–110, 121–122, 135–136, 139–140, 141–142, 157–158, 161–162, 165–166, 171–172, 177–178, 179–180, 181–182, 187–188, 193–194, 213–214, 225–226, 245–246, 247–248, 249–250, 257–258 TE: 30–31, 70–75, 110–111, 114–117, 124–125, 128–129, 132–133, 140–143, 146–149, 152–153, 156–157, 166–167, 170–171, 174–175, 188–189, 220–223, 240–243, 246–247, 270–273, 292–293, 296–297, 300–301, 304–305, 308–311, 314–315, 336–339, 342–345, 348–351, 354–357, 360–363, 366–369, 386–389, 398–401, 404–407, 416–419, 426–427, 434–435, 472–475, 492–495, 524–525, 528–531, 534–535, 550–551
<b>2.3 Geometry</b>		
<b>2.3.K Pennsylvania’s public schools shall teach, challenge, and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to:</b>		
<b>(A) Geometry</b>		
<b>CC.2.3.K.A.1</b>	Identify and describe two- and three-dimensional shapes.	SAB: 35–36, 69–70, 77–78, 83–84, 143–144 TE: 92–95, 160–163, 178–181, 192–195, 318–321
<b>CC.2.3.K.A.2</b>	Analyze, compare, create, and compose two- and three-dimensional shapes.	SAB: 35–36, 69–70, 77–78, 83–84, 113–116, 143–144 TE: 92–95, 160–163, 178–181, 192–195, 254–261, 318–321

Standard	Descriptor	Citations
<b>2.4 Measurement, Data, and Probability</b>		
<b>2.4.K</b> <i>Pennsylvania's public schools shall teach, challenge, and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to:</i>		
<b>(A) Measurement and Data</b>		
<b>CC.2.4.K.A.1</b>	Describe and compare attributes of length, area, weight, and capacity of everyday objects.	SAB: 263–264 TE: 558–559, 562–563, 564–567
<b>CC.2.4.K.A.4</b>	Classify objects and count the number of objects in each category.	SAB: 17–18, 69–70, 77–78, 83–84, 127, 143–144, 151–153, 155 TE: 46–53, 160–163, 178–181, 192–195, 264–267, 276–279, 318–321, 330–333