



MATHEMATICS

SAMPLER

- Aligned to CCSS
- Aligned to NTCM
- Word Problems & Drill Sheets

GRADES PK-2

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NAME: _____



Activity One - Coordinate Points

Plot the following shapes on the map.

10										
9										
8										
7										
6										
5										
4										
3										
2										
1										
	A	B	C	D	E	F	G	H	I	J

		→	↑
1		I	5
2		B	10
3		E	3
4		D	1
5		C	2

		→	↑
6		E	9
7		F	4
8		H	3
9		A	6
10		C	5

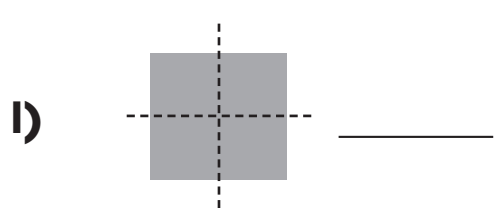
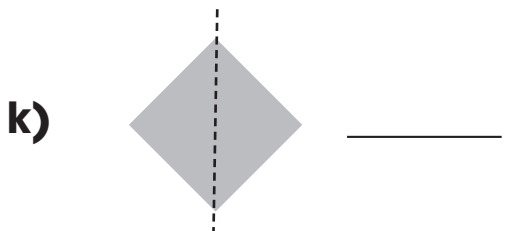
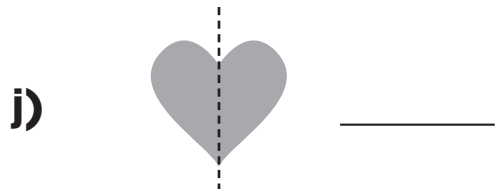
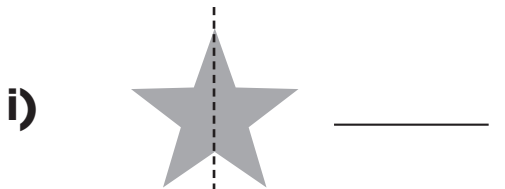
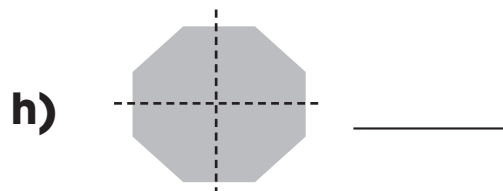
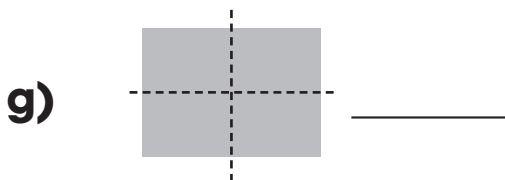
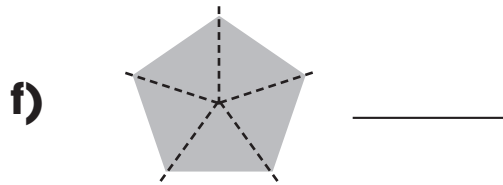
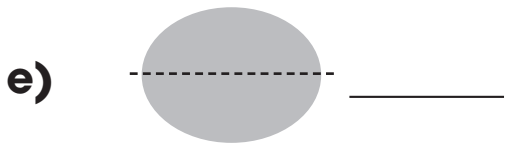
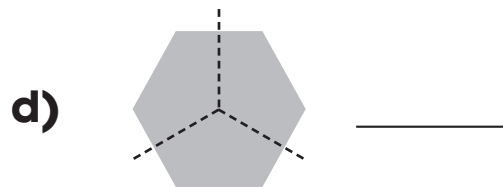
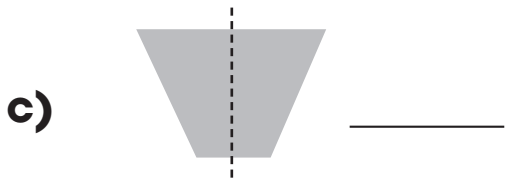
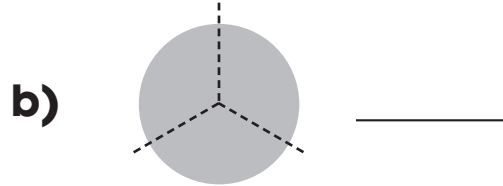
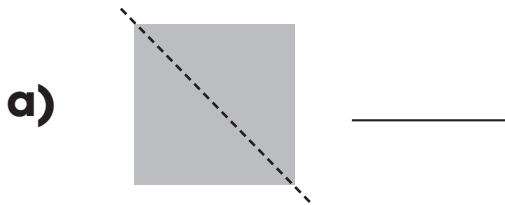
		→	↑
11		F	1
12		B	8
13		D	2
14		A	4
15		G	7

NAME: _____



Activity Two - Writing Fractions

Write the fraction for one part of each shape.

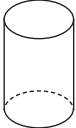
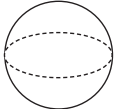
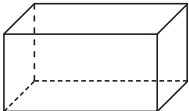
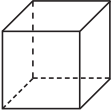
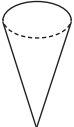
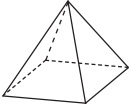


NAME: _____



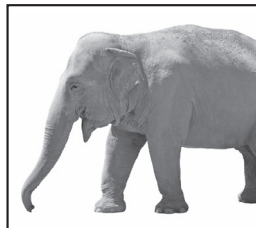
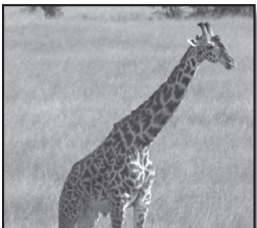
Activity Three - Three-Dimensional Shapes

Complete the chart using three-dimensional shapes.

		Stack	Slide	Roll
a) Cylinder				
b) Sphere				
c) Prism				
d) Cube				
e) Cone				
f) Pyramid				



Activity Four - Jungle Animals at the Zoo



Location Word Bank

in between
next to
on top of
last
above
below
under
first
in the middle

- The koala is _____ the tiger.
- The giraffe is _____ the hippo.
- The hippo is _____ the lion and the giraffe.
- The tiger is _____ of the zoo.
- The monkey is _____ the woodpecker.
- The elephant is _____.
- The woodpecker is _____ the koala.
- The tiger is _____ the polar bear.
- The lion is _____.

NAME: _____



Activity Five - Drawing Shapes

Draw the congruent shape.

A large rectangular grid of dots. On the left side of the grid, five shapes are drawn: 1. An equilateral triangle with a base of 4 units and a height of 3 units. 2. A right-angled triangle with a vertical leg of 3 units, a horizontal leg of 3 units, and a hypotenuse of 4.5 units. 3. A right-angled triangle with a vertical leg of 2 units, a horizontal leg of 6 units, and a hypotenuse of 6.5 units. 4. A parallelogram with a base of 2 units and a height of 2 units. 5. A rectangle with a width of 4 units and a height of 2 units.

NAME: _____



Activity Six - Pretty as a Pattern Block Picture

Use pattern blocks to make a picture of a house, flower, car, or whatever else you would like to make. Trace around each block used to make the picture. Record the number of each kind of block used to make the picture.

a) Trapezoids:  _____

d) Triangles:  _____

b) Squares:  _____

e) Rhombuses:  _____

c) Hexagons:  _____

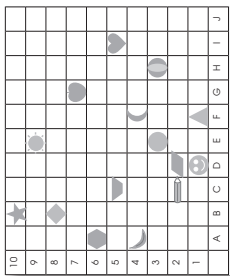
f) Diamonds:  _____



(these answers are for the 6 free bonus pages, see page 6 for download instructions)

1.

Coordinate Points



1A

2.

a) $\frac{1}{2}$

b) $\frac{1}{3}$

c) $\frac{1}{2}$

d) $\frac{1}{3}$

e) $\frac{1}{2}$

f) $\frac{1}{5}$

g) $\frac{1}{4}$

h) $\frac{1}{4}$

i) $\frac{1}{2}$

j) $\frac{1}{2}$

k) $\frac{1}{2}$

l) $\frac{1}{4}$

2A

3.

a) stack, slide, roll

b) roll

c) slide

d) stack, slide

e) slide, roll

f) stack, slide

3A

4.

a) on top of

b) below or under

c) in between

d) in the middle

e) under or below

f) last

g) next to

h) above

i) first

4A

5.

Drawn shape should be exactly the same as the example

6.

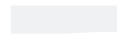
Answers will vary.

5A

6A



Activity One



a) Look at the pattern.



How many clovers and clocks would be in the next section of this pattern?

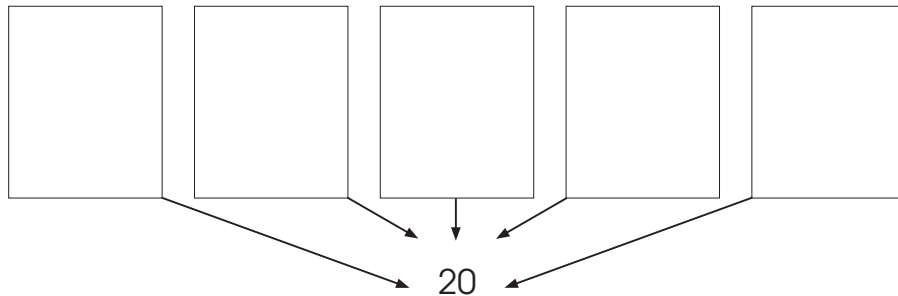
- i. 2 clovers and 2 clocks
- iii. 2 clovers and 1 clock

- ii. 1 clover and 1 clock
- iv. 1 clover and 2 clocks

b) Add:



c) In the boxes below, put facts that add up to 20.



d) Fill in the chart with the missing numbers.

12		14				18		
----	--	----	--	--	--	----	--	--

e) Place the following numbers in the correct order by size from smallest to largest. 7, 19, 36, 9, 21

1st		2nd		3rd		4th		5th	
-----	--	-----	--	-----	--	-----	--	-----	--



Activity Two

a) Which words make this statement true?

$12 \text{ ______ } 21$

- i. is equal to ii. is less than iii. is greater than

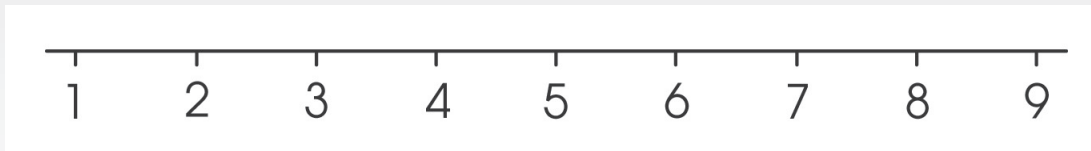
b) Write a plus (+) or a minus (-) sign in the square to make the number sentence true.

i) $9 \square 4 = 5$

ii) $6 \square 3 = 3$

iii) $11 \square 2 = 13$

c) Giorgio spends \$4.00 at the mall. Label this amount on the number line below.



d) Circle the even numbers from the list below.

14 21 1 7 6 10

e) This is part of the hundreds chart with some numbers missing.

14			17
	25		
		36	
○			47

What number belongs in the circle?

- i. 45 ii. 44 iii. 43 iv. 42

NAME: _____



Activity Three

a) Which number is missing from this pattern?

20, 25, _____, 35, 40

Answer: _____

b) Is 67 an odd number?

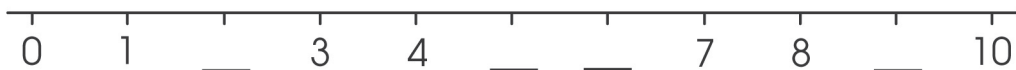
YES

NO

c) Fill in the missing numbers from 1 to 100 in the hundreds chart below.

	2					7			
				15					20
			24					29	
31									
		43			46				
							58		
	62								70
						77			
								89	
91							98		

d) Fill in the missing numbers on the line below.



e) Complete the following:

i) _____ + 6 = 11

ii) 4 + _____ = 9

iii) 6 + _____ = 14



Activity Four

a) How do you make 12?	b) How do you make 9?	c) How do you make 0?
i. $7 + 3$ <input type="checkbox"/>	i. $9 + 0$ <input type="checkbox"/>	i. $7 + 0$ <input type="checkbox"/>
ii. $6 + 6$ <input type="checkbox"/>	ii. $7 + 2$ <input type="checkbox"/>	ii. $0 + 0$ <input type="checkbox"/>
iii. $2 + 9$ <input type="checkbox"/>	iii. $6 + 3$ <input type="checkbox"/>	iii. $0 + 1$ <input type="checkbox"/>
iv. $8 + 4$ <input type="checkbox"/>	iv. $4 + 4$ <input type="checkbox"/>	iv. $7 - 7$ <input type="checkbox"/>

d) Look at this pattern.



How would you show this pattern using letters?

i. ABB

ii. ABA

iii. AAB

iv. BAB

e) Count forward by 100's.



f) Are the following statements true?

i) $3 + 7 + 4 = 5 + 8 + 1$

Yes

No

ii) $8 + 0 + 1 = 3 + 3 + 3$

Yes

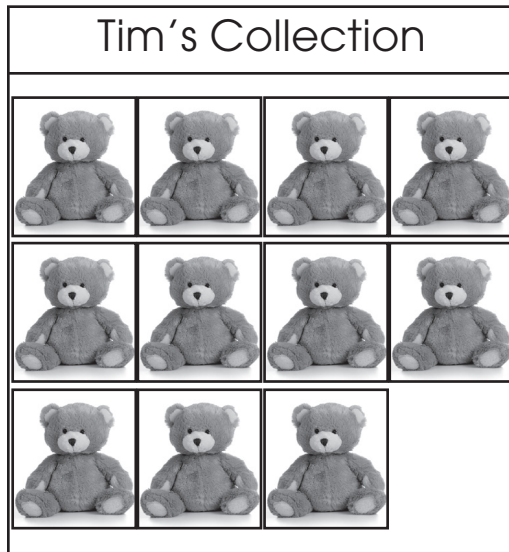
No



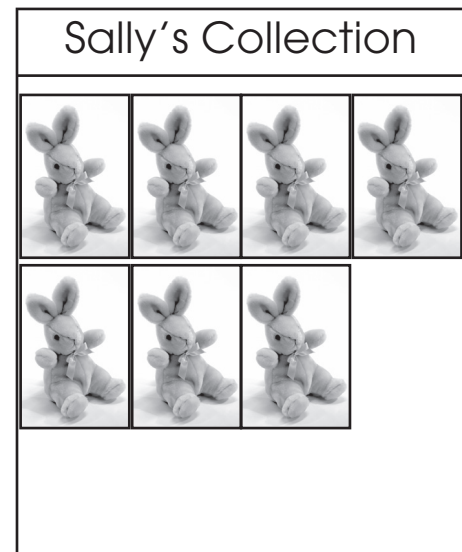
Activity Five

- a) Tim and Sally both collect stuffed animals. This is a picture of what their collections looked like before they put them together. How many stuffed animals do they have altogether?

Answer: _____



+



- b) Complete the following skip-counting chart.

	26		30					
--	----	--	----	--	--	--	--	--

- c) Complete the number sentences below.

i) $11 + \underline{\quad} = 18$

ii) $12 - 0 = \underline{\quad}$

iii) $\underline{\quad} + 0 = 24$

iv) $35 - \underline{\quad} = 25$

- d) Put the following numbers in order from greatest to smallest.

0 4 1 111 11



Activity Six

a) Write the related addition fact for the following:

i) $12 + 6 = 18$ _____

ii) $4 + 3 = 7$ _____

b) What number makes the equation true?

i) $11 + \square = 12$

ii) $26 - \square = 23$

iii) $2 + \square = 17$

iv) $15 - \square = 10$

c) Choose $>$ = or $<$:

i) $12 \square 11$

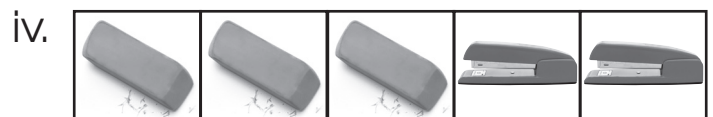
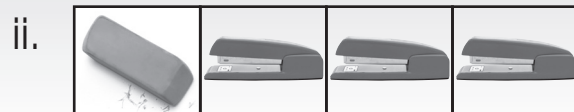
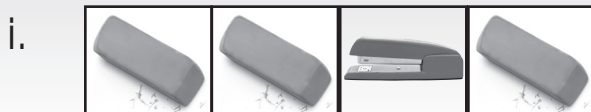
ii) $0 \square 1$

iii) $111 \square 121$

d) A repeating pattern is shown below.



Which of the following completes the pattern?



1.

a) iii.

b) 8

c) Five of: 0 + 20,
1 + 19, 2 + 18,
3 + 17, 4 + 16,
5 + 15 etc.

d) 12, 13, 14, 15,
16, 17, 18, 19, 20

e) 7, 9, 19, 21, 36

1A

2.

a) ii.

b) i) - ii) - iii) +

c) label 4

d) 14, 6, 10

e) ii.

2A

3.

a) 30

b) Yes

c)

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

d) 0 - 1 - 2 - 3 -
4 - 5 - 6 - 7 - 8 -
9 - 10

e) i) 5 ii) 5 iii) 8

3A

4.

a) ii. 6 + 6,
iv. 8 + 4

b) i. 9 + 0,
ii. 7 + 2,
iii. 6 + 3

c) ii. 0 + 0,
iv. 7 - 7

d) i.

e) 300 → 400 →
500 → 600 →
700

f) i) Yes ii) Yes

4A

5.

a) 18

b) 24 - 26 - 28 -
30 - 32 - 34 - 36 -
38 - 40

c) i) 7 ii) 12
iii) 24 iv) 10

d) 111 - 11 -
4 - 1 - 0

5A

6.

a) i) 6 + 12 = 18
ii) 3 + 4 = 7

b) i) 1 ii) 3
iii) 15 iv) 5

c) i) > ii) <
iii) <

d) iv.

6A



(these answers are for the 6 free bonus pages, see page 5 for download instructions)

LITERATURE KITS™ (Novel Study Guides)

ITEM #	TITLE
GRADES 1-2	
CC2100	Curious George (H. A. Rey)
CC2101	Paper Bag Princess (Robert N. Munsch)
CC2102	Stone Soup (Marcia Brown)
CC2103	The Very Hungry Caterpillar (Eric Carle)
CC2104	Where the Wild Things Are (Maurice Sendak)
GRADES 3-4	
CC2300	Babe: The Gallant Pig (Dick King-Smith)
CC2301	Because of Winn-Dixie (Kate DiCamillo)
CC2302	The Tale of Despereaux (Kate DiCamillo)
CC2303	James and the Giant Peach (Roald Dahl)
CC2304	Ramona Quimby, Age 8 (Beverly Cleary)
CC2305	The Mouse and the Motorcycle (Beverly Cleary)
CC2306	Charlotte's Web (E.B. White)
CC2307	Owls in the Family (Farley Mowat)
CC2308	Sarah, Plain and Tall (Patricia MacLachlan)
CC2309	Matilda (Roald Dahl)
CC2310	Charlie & The Chocolate Factory (Roald Dahl)
CC2311	Frindle (Andrew Clements)
CC2312	M.C. Higgins, the Great (Virginia Hamilton)
CC2313	The Family Under The Bridge (N.S. Carlson)
GRADES 5-6	
CC2500	Black Beauty (Anna Sewell)
CC2501	Bridge to Terabithia (Katherine Paterson)
CC2502	Bud, Not Buddy (Christopher Paul Curtis)
CC2503	The Egypt Game (Zilpha Keatley Snyder)
CC2504	The Great Gilly Hopkins (Katherine Paterson)
CC2505	Holes (Louis Sachar)
CC2506	Number the Stars (Lois Lowry)
CC2507	The Sign of the Beaver (E.G. Speare)
CC2508	The Whipping Boy (Sid Fleischman)
CC2509	Island of the Blue Dolphins (Scott O'Dell)
CC2510	Underground to Canada (Barbara Smucker)
CC2511	Loser (Jerry Spinelli)
CC2512	The Higher Power of Lucky (Susan Patron)
CC2513	Kira-Kira (Cynthia Kadohata)
CC2514	Dear Mr. Henshaw (Beverly Cleary)
CC2515	The Summer of the Swans (Betsy Byars)
CC2516	Shiloh (Phyllis Reynolds Naylor)
CC2517	A Single Shard (Linda Sue Park)
CC2518	Hoot (Carl Hiaasen)
CC2519	Hatchet (Gary Paulsen)
CC2520	The Giver (Lois Lowry)
CC2521	The Graveyard Book (Neil Gaiman)
CC2522	The View From Saturday (E.L. Konigsburg)
CC2523	Hattie Big Sky (Kirby Larson)
CC2524	When You Reach Me (Rebecca Stead)
CC2525	Criss Cross (Lynne Rae Perkins)
CC2526	A Year Down Yonder (Richard Peck)
GRADES 7-8	
CC2700	Cheaper by the Dozen (Frank B. Gilbreth)
CC2701	The Miracle Worker (William Gibson)
CC2702	The Red Pony (John Steinbeck)
CC2703	Treasure Island (Robert Louis Stevenson)
CC2704	Romeo & Juliet (William Shakespeare)
CC2705	Crispin: The Cross of Lead (Avi)
GRADES 9-12	
CC2001	To Kill A Mockingbird (Harper Lee)
CC2002	Angela's Ashes (Frank McCourt)
CC2003	The Grapes of Wrath (John Steinbeck)
CC2004	The Good Earth (Pearl S. Buck)
CC2005	The Road (Cormac McCarthy)
CC2006	The Old Man and the Sea (Ernest Hemingway)

REGULAR EDUCATION

LANGUAGE ARTS

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READING RESPONSE FORMS SERIES	
CC1106	Reading Response Forms: Grades 1-2
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CC1108	Reading Response Forms: Grades 5-6
CC1109	Reading Response Forms Big Book: Grades 1-6
WORD FAMILIES SERIES	
CC1110	Word Families - Short Vowels: Grades PK-1
CC1111	Word Families - Long Vowels: Grades PK-1
CC1112	Word Families - Vowels Big Book: Grades K-1
SIGHT & PICTURE WORDS SERIES	
CC1113	High Frequency Sight Words: Grades PK-1
CC1114	High Frequency Picture Words: Grades PK-1
CC1115	Sight & Picture Words Big Book Grades PK-1

INTERACTIVE WHITEBOARD SOFTWARE

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WORD FAMILIES SERIES	
CC7112	Word Families - Short Vowels Grades PK-2
CC7113	Word Families - Long Vowels Grades PK-2
CC7114	Word Families - Vowels Big Box Grades PK-2
SIGHT & PICTURE WORDS SERIES	
CC7100	High Frequency Sight Words Grades PK-2
CC7101	High Frequency Picture Words Grades PK-2
CC7102	Sight & Picture Words Big Box Grades PK-2
WRITING SKILLS SERIES	
CC7104	How to Write a Paragraph Grades 3-8
CC7105	How to Write a Book Report Grades 3-8
CC7106	How to Write an Essay Grades 3-8
CC7107	Master Writing Big Box Grades 3-8
READING SKILLS SERIES	
CC7108	Reading Comprehension Grades 3-8
CC7109	Literary Devices Grades 3-8
CC7110	Critical Thinking Grades 3-8
CC7111	Master Reading Big Box Grades 3-8
PRINCIPLES & STANDARDS OF MATH SERIES	
CC7315	Five Strands of Math Big Box Grades PK-2
CC7316	Five Strands of Math Big Box Grades 3-5
CC7317	Five Strands of Math Big Box Grades 6-8
SPACE & BEYOND SERIES	
CC7557	Solar System Grades 3-8
CC7558	Galaxies & The Universe Grades 3-8
CC7559	Space Travel & Technology Grades 3-8
CC7560	Space Big Box Grades 3-8
HUMAN BODY SERIES	
CC7549	Cells, Skeletal & Muscular Systems Grades 3-8
CC7550	Senses, Nervous & Respiratory Systems Grades 3-8
CC7551	Circulatory, Digestive & Reproductive Systems Grades 3-8
CC7552	Human Body Big Box Grades 3-8
FORCE, MOTION & SIMPLE MACHINES SERIES	
CC7553	Force Grades 3-8
CC7554	Motion Grades 3-8
CC7555	Simple Machines Grades 3-8
CC7556	Force, Motion & Simple Machines Big Box Grades 3-8
CLIMATE CHANGE SERIES	
CC7747	Global Warming: Causes Grades 3-8
CC7748	Global Warming: Effects Grades 3-8
CC7749	Global Warming: Reduction Grades 3-8
CC7750	Global Warming Big Box Grades 3-8

MATHEMATICS

ITEM #	TITLE
PRINCIPLES & STANDARDS OF MATH SERIES	
CC3100	Grades PK-2 Number & Operations Task Sheets
CC3101	Grades PK-2 Algebra Task Sheets
CC3102	Grades PK-2 Geometry Task Sheets
CC3103	Grades PK-2 Measurement Task Sheets
CC3104	Grades PK-2 Data Analysis & Probability Task Sheets
CC3105	Grades PK-2 Five Strands of Math Big Book Task Sheets
CC3106	Grades 3-5 Number & Operations Task Sheets
CC3107	Grades 3-5 Algebra Task Sheets
CC3108	Grades 3-5 Geometry Task Sheets
CC3109	Grades 3-5 Measurement Task Sheets
CC3110	Grades 3-5 Data Analysis & Probability Task Sheets
CC3111	Grades 3-5 Five Strands of Math Big Book Task Sheets
CC3112	Grades 6-8 Number & Operations Task Sheets
CC3113	Grades 6-8 Algebra Task Sheets
CC3114	Grades 6-8 Geometry Task Sheets
CC3115	Grades 6-8 Measurement Task Sheets
CC3116	Grades 6-8 Data Analysis & Probability Task Sheets
CC3117	Grades 6-8 Five Strands of Math Big Book Task Sheets
PRINCIPLES & STANDARDS OF MATH SERIES	
CC3200	Grades PK-2 Number & Operations Drill Sheets
CC3201	Grades PK-2 Algebra Drill Sheets
CC3202	Grades PK-2 Geometry Drill Sheets
CC3203	Grades PK-2 Measurement Drill Sheets
CC3204	Grades PK-2 Data Analysis & Probability Drill Sheets
CC3205	Grades PK-2 Five Strands of Math Big Book Drill Sheets
CC3206	Grades 3-5 Number & Operations Drill Sheets
CC3207	Grades 3-5 Algebra Drill Sheets
CC3208	Grades 3-5 Geometry Drill Sheets
CC3209	Grades 3-5 Measurement Drill Sheets
CC3210	Grades 3-5 Data Analysis & Probability Drill Sheets
CC3211	Grades 3-5 Five Strands of Math Big Book Drill Sheets
CC3212	Grades 6-8 Number & Operations Drill Sheets
CC3213	Grades 6-8 Algebra Drill Sheets
CC3214	Grades 6-8 Geometry Drill Sheets
CC3215	Grades 6-8 Measurement Drill Sheets
CC3216	Grades 6-8 Data Analysis & Probability Drill Sheets
CC3217	Grades 6-8 Five Strands of Math Big Book Drill Sheets
PRINCIPLES & STANDARDS OF MATH SERIES	
CC3300	Grades PK-2 Number & Operations Task & Drill Sheets
CC3301	Grades PK-2 Algebra Task & Drill Sheets
CC3302	Grades PK-2 Geometry Task & Drill Sheets
CC3303	Grades PK-2 Measurement Task & Drill Sheets
CC3304	Grades PK-2 Data Analysis & Probability Task & Drill
CC3306	Grades 3-5 Number & Operations Task & Drill Sheets
CC3307	Grades 3-5 Algebra Task & Drill Sheets
CC3308	Grades 3-5 Geometry Task & Drill Sheets
CC3309	Grades 3-5 Measurement Task & Drill Sheets
CC3310	Grades 3-5 Data Analysis & Probability Task & Drill
CC3312	Grades 6-8 Number & Operations Task & Drill Sheets
CC3313	Grades 6-8 Algebra Task & Drill Sheets
CC3314	Grades 6-8 Geometry Task & Drill Sheets
CC3315	Grades 6-8 Measurement Task & Drill Sheets
CC3316	Grades 6-8 Data Analysis & Probability Task & Drill

