

# HORIZONS MATH 1 MANIPULATIVES SCHEDULE

This schedule will help you stay organized as you work your way through the Horizons Math 1 Manipulatives kit. To use it most effectively, be sure to check the “Parent Provided” column each time you begin a lesson to make certain you have all the materials required. Please also note that “optional” manipulatives are listed in *italic font* in your Teacher’s Guide.

The Number Chart is referenced in nearly every lesson from Lesson 1 forward. This can be found in the Worksheet section of your Teacher’s Manual (Worksheet #5). Keep a master copy ... then laminate the Number Chart to increase its longevity.

Additionally, the number line strips are found in the Worksheet section of your Teacher’s Manual (Worksheet #6). A tip for making your number lines last—keep a master copy, then laminate the two pages of number lines before cutting them apart.

You may be confused by the use of both cardinal number and whole number flash cards. There really is no difference between the two. Whenever your text calls for either, simply use the Number flash cards provided in your manipulatives kit.

Finally, please refer to the Flash Cards Instruction Sheet each time you see a reference to *Plain index cards to create flash cards*. This is included at the end of the schedule.

Lesson	Kit/Book Provided	Parent Provided
1	Number line, Number chart	
2	Number chart, Number flash cards, Ordinal flash cards	Crayons
3	Number chart, Number flash cards	
4	Number chart	Flannel board, Money
5	Number chart	Student-created place value materials
6	Number chart, Number line, Number flash cards, Ordinal number flash cards	Student-created place value materials
7	Number chart, Addition flash cards, Number line, Plain index cards to create <i>greater than &amp; less than flash cards</i>	Student-created place value materials
8	Number chart, Number line, Number flash cards	Student-created greater than & less than flash cards
9	Number chart, Number line, Addition flash cards	Student-created place value materials
10	Number chart, Number line, Addition flash cards	Student-created place value materials, greater than & less than flash cards
11	Number chart, Number line, Addition flash cards	Student-created place value materials

Lesson	Kit/Book Provided	Parent Provided
12	Number chart, Number line, Addition flash cards, Number flash cards, Plain index cards to create <i>Word number (1-5), Tally mark &amp; Months of the year flash cards</i>	
13	Number chart, Number line, Addition flash cards, Plain index cards to create <i>equal &amp; not equal and Word number (6-10) flash cards</i>	Student-created place value materials and months of the year flash cards
14	Number chart, Number line, Addition flash cards	Student-created equal & not equal flash cards, Calendar
15	Number chart, Number line, Addition flash cards	Student-created months of the year flash cards, Money, Calendar
16	Number chart, Number line, Addition flash cards, Clock	
17	Number chart, Addition flash cards, Clock	Calendar, Digital watch
18	Number chart, Number line, Addition flash cards, Clock	Student-Created equal & not equal, word number, and tally mark flash cards
19	Number chart, Number line, Addition flash cards, Clock	
20	Number chart, Addition flash cards, Clock, Ruler	Yardstick
21	Number chart, Addition flash cards, Clock	Student-created greater than & less than flash cards
22	Number chart, Addition flash cards	Student-created tally mark flash cards
23	Number chart, Addition flash cards	Student-created greater than & less than flash cards, Money
24	Number chart, Addition flash cards	Student-created word numbers and tally marks flash cards, Calendar
25	Number chart, Addition flash cards, Number flash cards	Student-created word numbers and tally marks flash cards
26	Number chart, Addition flash cards, Number flash cards	Money

Lesson	Kit/Book Provided	Parent Provided
27	Number chart, Addition flash cards, Clock	Student-created months of the year flash cards, Money
28	Number chart, Addition flash cards, Number flash cards, Clock	Calendar, Money
29	Number chart, Addition flash cards, Clock	Student-created greater than & less than flash cards, Money (Pennies & Dimes)
30	Number chart, Addition flash cards, Clock	Calendar
31	Number chart, Ruler, Addition flash cards	Student-created equal & not equal flash cards
32	Number chart, Ruler, Addition flash cards, Number flash cards	Student-created greater than & less than flash cards, Money
33	Number chart, Addition flash cards, Ruler	Money (Nickels)
34	Number line, Addition flash cards, Ruler	Money (Nickels)
35	Addition flash cards, Ruler, Plain index cards to create <i>Word number (11-20) flash cards</i>	Fraction materials <sup>1</sup>
36	Number chart, Number line, Addition flash cards	Place value materials, Money
37	Number chart, Addition flash cards	Place value materials, Money
38	Number chart, Addition flash cards	Money
39	Number chart, Addition flash cards	Calendar, Construction paper shapes
40	Number chart, Addition flash cards, Plain index cards to create <i>Days of the week flash cards</i>	
41	Number chart, Crayons	Student-created equal and not equal flash cards, days of the week flash cards, Calendar, Money, Construction paper shapes
42	Number Chart, Clock, Number line	Student-created equal and not equal flash cards
43	Clock	Student-created greater than and less than flash cards, Money, Fraction materials, Optional clock activity materials <sup>2</sup>

Lesson	Kit/Book Provided	Parent Provided
44	Number chart, Clock, Construction paper	
45	Clock, Number chart, Ruler	Money
46	Ruler	Money
47	Ruler, Plain index cards to create <i>Count by 10's flash cards</i> .	Student-created word numbers flash cards <sup>3</sup> , Money
48	Number chart, Number flash cards	Money
49	Number chart	Money, Fraction materials
50		Fraction materials
51		Student-created equal and not equal flash cards, Money (quarter), Fraction materials
52	Number chart, crayons	Money, Student-created equal and not equal flash cards, Fraction materials
53	Number chart, Number flash cards	Money, Fraction materials
54	Number chart, Clock	Money, Fraction materials
55	Number chart, Number line, Clock	Fraction materials
56	Number chart, Subtraction flash cards, Number line, Clock	Money
57	Subtraction flash cards, Number line, Ruler	Money, 8 1/2" x 11" piece of paper
58	Number chart, Number line, Subtraction flash cards, Ordinal number cards	
59	Number chart, Number line, Subtraction flash cards	Money

1 Some lessons call for a flannel board and fraction materials. Please keep in mind that this program is also designed for classroom use where a flannel board would be standard equipment. Feel free to create your own fraction materials—trace around a small dinner plate on a piece of construction paper. Cut out the shape and divide it in to 4 equal parts. Create as many fraction “pies” as you need to demonstrate the fraction parts taught in various lessons.

2 This is an optional activity for students to create their own clock. You will need a paper plate and a brad, in addition to a sheet of construction paper included in your kit.

3 For those word number drills beyond the student-created flash cards for 1-20, simply use the back side of your Number flash cards to drill word numbers.

**Suggestions:** Place value materials (beginning with Lesson 81) can be easily created using drinking straws and rubber bands. Help students to rubber band together groups of 10 straws, discussing how many “ones” make a group of “ten”.

Begin gathering liquid measure containers (one ounce, one cup, pint, quart and gallon milk jug) for use in Lesson 97.

Lesson	Kit/Book Provided	Parent Provided
60	Number chart, Number line, Subtraction flash cards, Number flash cards	Money
61	Number chart, Number line, Subtraction flash cards	Student-created months of the year flash cards
62	Number chart, Number line, Subtraction flash cards	Student-created months of the year flash cards
63	Number chart, Number line, Subtraction flash cards	Money
64	Number chart, Subtraction flash cards	Money, Fraction materials
65	Number chart, Subtraction flash cards, Addition flash cards	Student-created greater than and less than flash cards, Fraction materials
66	Number chart, Subtraction flash cards	Student-created tally marks flash cards, Fraction materials
67	Number chart, Subtraction flash cards, Construction paper, Glue	Student-created equal and not equal flash cards, Fraction materials
68	Number chart, Subtraction flash cards, Clock, Crayons	
69	Number chart, Subtraction flash cards, Ruler, Clock	
70	Number chart, Subtraction flash cards, Ordinal number flash cards, Ruler	
71	Number chart, Subtraction flash cards, Crayons, Number line	Student-created days of the week flash cards, Calendar
72	Number chart, Subtraction flash cards, Number flash cards, Counting tiles	Calendar
73	Number chart, Subtraction flash cards, Addition flash cards, Counting tiles	Money
74	Number chart, Subtraction flash cards, Clock	
75	Number chart, Subtraction flash cards, Clock, Counting tiles	

Lesson	Kit/Book Provided	Parent Provided
76	Number line, Subtraction flash cards, Clock, Counting tiles	
77	Number chart, Subtraction flash cards, Number flash cards	Student-created greater than and less than flash cards
78	Number chart, Subtraction flash cards, Counting tiles	Fraction materials
79	Number chart, Subtraction flash cards	Student-created equal and not equal flash cards, Fraction materials
80	Number chart, Subtraction flash cards	Student-created equal and not equal flash cards, Fraction materials
81	Subtraction flash cards, Ruler	Fraction materials, Place value materials
82	Number chart, Subtraction flash cards, Number flash cards	Place value materials
83	Number chart (100-199) <sup>4</sup> , Subtraction flash cards, Construction paper	Place value materials
84	Number chart (100-199), Subtraction flash cards, Number flash cards	Student-created months of the year flash cards, Construction paper shapes
85	Number chart (100-199), Subtraction flash cards, Number flash cards	Student-created months of the year flash cards, Place value materials
86	Number chart (100-199), Subtraction flash cards, Number flash cards, Clock	Calendar, Place value materials
87	Number chart (100-199), Subtraction flash cards, Clock	Money
88	Number charts (both), Subtraction flash cards	Student-created greater than and less than flash cards, Money
89	Number chart, Subtraction flash cards, Clock	Money (dollar bill)
90	Number chart, Subtraction flash cards, Clock	
91	Number chart, Subtraction flash cards, Ruler, Clock	

<sup>4</sup> The Number Chart (100-199) is referenced in many lessons from Lesson 83 forward. This can be found in the Worksheet section of your Teacher's Guide (Worksheet #42). Keep a master copy ... then laminate the Number Chart to increase its longevity.

**Note:** An egg carton will be needed for Lesson 104.

Lesson	Kit/Book Provided	Parent Provided
92	Number chart, Subtraction flash cards, Ordinal number flash cards, Ruler	
93	Number charts (both), Ruler, Construction paper, Plain index cards to create <i>shapes flash cards</i>	
94	Number charts (both), Ruler, Subtraction flash cards	Student-created shapes flash cards
95	Number charts (both), Ruler, Subtraction flash cards	Student-created shapes flash cards
96	Number charts (both), Subtraction flash cards	Place value materials
97	Number charts (100-199), Subtraction flash cards, Plain index cards to create <i>liquid measure flash cards</i>	Liquid measure containers
98	Number charts (100-199), Subtraction flash cards	Money, Student-created liquid measure flash cards, Liquid measure containers
99	Number charts (100-199), Number line, Subtraction flash cards	Money, Student-created liquid measure flash cards, Liquid measure containers
100	Subtraction flash cards, Number flash cards	Place value materials
101	Number chart, Subtraction flash cards	Student-created months of the year flash cards, Calendar
102	Subtraction flash cards, Number chart, Ruler, Yardstick, Counting tiles	
103	Number chart (100-199), Subtraction flash cards, Counting tiles	Money
104	Subtraction flash cards, Addition flash cards	Egg carton, Money, Student-created days of the week, and shapes flash cards
105	Number charts (both), Subtraction flash cards, Ruler, Crayons, Construction paper	Student-created days of the week and shapes flash cards, Sheet of white paper
106	Number chart, Number line, Subtraction flash cards, Ruler, Construction paper	Student-created shapes flash cards
107	Number charts (both), Subtraction flash cards, Ruler	Place value materials

Lesson	Kit/Book Provided	Parent Provided
108	Number chart, Subtraction flash cards, 3D solids shapes, Plain index cards to create <i>solids flash cards</i> .	
109	Number chart (100-199), Subtraction flash cards, 3D solids shape	Student-created solids and equal and not equal flash cards
110	Number chart (100-199), Subtraction flash cards, Number flash cards, 3D solids shapes, Counting tiles	Student-created solids flash cards
111	Number chart (100-199), Subtraction flash cards, Number flash cards, 3D solids shapes	Student-created solids flash cards
112	Number chart, Number line, Subtraction flash cards, 3D solids shapes	
113	Number chart, Subtraction flash cards, Ruler, Crayons	Bar Graph <sup>5</sup>
114	Number chart, Subtraction flash cards, Ordinal number flash cards, Ruler	Money, Student-created greater than and less than flash cards
115	Number chart, Subtraction flash cards, Counting tiles	Student-created shapes flash cards
116	Number chart (100-199), Subtraction flash cards	Student-created shapes flash cards, Fraction materials
117	Addition flash cards, Counting tiles	Student-created shapes flash cards
118	Number chart, Subtraction flash cards, Addition flash cards, Clock	Money
119	Number line, Addition flash cards, Clock, Ruler	Student-created liquid measure flash cards, Liquid measure containers, Money
120	Number chart, Clock, Counting tiles	Liquid measure containers
121	Number chart (100-199), Subtraction flash cards, 3D solids shapes, Construction paper	Student-created solids flash cards
122	Number chart (100-199), Subtraction flash cards, Number flash cards, 3D solids shapes	Money

<sup>5</sup> Create your own bar graph similar to the graph on the Student Worksheet. You may use a sheet of the graph paper provided in your manipulatives kit.

**Note:** Lesson 128 requires plastic rings from two 6 packs of soda pop and Lesson 132 requires a 5 pound bag of flour, pound loaf of bread, pound of butter, and a rock.

Lesson	Kit/Book Provided	Parent Provided
123	Number charts (both), Subtraction flash cards	Money, Place value materials
124	Number chart, Addition flash cards, Ruler	Money, Place value materials
125	Number chart, Number line	
126	Number chart, Subtraction flash cards, Ruler	Student-created solids flash cards, Money
127	Number chart, Addition flash cards	Money, Calendar, Student-created months of the year and shapes flash cards
128	Number chart, Subtraction flash cards	Money, Student-created months of the year flash cards, Plastic rings from two 6 packs of soda pop
129	Number chart, Addition flash cards	Money, Calendar
130	Ruler, Meter stick	Student-created days of the week flash cards, Calendar, Money
131	Number chart, Subtraction flash cards, Counting tiles	Place value materials
132	Addition flash cards, Platform scale	5 pound bag of flour, Pound loaf of bread, Pound of butter, Rock, Place value materials
133	Number chart (100-199), Subtraction flash cards, Clock	Student-created solids and greater than and less than flash cards.
134	Number chart (100-199), Addition flash cards	Student-created equal and not equal flash cards
135	Number chart (100-199), Number flash cards	
136	Number chart, Subtraction flash cards, Addition flash cards, Number flash cards	Money
137	Number charts (both), Addition flash cards	Money, Weight objects (flour, butter, rock, etc.)
138	Number chart, Number line, Subtraction flash cards, Counting tiles	Money
139	Addition facts, Number chart, Yard stick, Counting tiles	Money, Student-created greater than and less than flash cards
140	Ruler, Counting tiles	Money

Lesson	Kit/Book Provided	Parent Provided
141	Number chart, Subtraction flash cards, Number flash cards, Ruler	Student-created months of the year flash cards
142	Number chart, Addition flash cards, Number flash cards, 3D solids shapes	Liquid measure containers
143	Number chart, Subtraction flash cards, 3D solids shapes	Student-created days of the week flash cards, Calendar, Liquid measure containers
144	Number chart, Addition flash cards, Clock, Ruler	Calendar
145	Number chart (100-199), Clock, Ruler	
146	Number chart (100-199), Subtraction flash cards, Number flash cards	Student-created shapes flash cards
147	Addition flash cards, Number flash cards	Student-created shapes flash cards
148	Number line, Subtraction flash cards, Graph paper	Fraction materials
149	Addition flash cards, Ruler	Fraction materials
150	Subtraction flash cards, Ruler, Counting tiles	
151	Number chart, Subtraction flash cards	Money
152	Number chart, Addition flash cards, 3D solids shapes	Money, Student-created months of the year flash cards
153	Number charts (both), Subtraction flash cards, 3D solids shapes	Money, Student-created months of the year and solids flash cards
154	Number chart, Addition flash cards, Clock	Money, Calendar
155	Clock	Calendar, Student-created days of the week flash cards
156	Subtraction flash cards, Ordinal number flash cards, Clock	
157	Addition flash cards, Ruler	Place value materials
158	Subtraction flash cards, Ruler, Counting tiles, 3D solids shapes	
159	Number chart, Addition flash cards, Ruler	Student-created equal and not equal flash cards, Fraction materials
160	Ruler	Student-created greater than and less than flash cards

# FLASH CARD INSTRUCTION SHEET

One very effective way to help students learn a new concept is to assist them in making their own flash cards. For most of these math flash cards, help your student to draw the “front” side of the card and you can fill in the “answer” or back side of the card.

Lesson Introduced	Flash Cards	Instruction
7	Greater Than/ Less Than	Help your student create two flash cards, one each with the greater than and less than signs on the front. Parent fills in the appropriate identification on the back.
12	Tally Marks	Based on the instruction in the lesson, help your student make a separate flash card for each set of tally marks. Parent fills in the appropriate number word on the back.
12	Months of Year	Using a calendar, help your student write the name of each month on a separate index card. Parent may need to be the scribe for this set of flash cards.
13	Equal/Not Equal	Help your student create two flash cards, one each with the equal and not equal signs on the front. Parent fills in the appropriate identification on the back.
13	Word Numbers	Help your student create a set of five flash cards, each with the word for numbers 6 - 10 on the front. Help them fill in the appropriate number on the back of the card.
35	Word Numbers	Help your student create a set of ten flash cards, each with the word for numbers 11-20 on the front. Help them fill in the appropriate number on the back of the card.
40	Days of the Week	Using a calendar, help your student write the name of each day of the week on a separate index card. Parent may need to be the scribe for this set of flash cards.

Lesson Introduced	Flash Cards	Instruction
47	Count by 10's	Help your student to create a set of ten flash cards with the numbers 10, 20, 30, 40, 50, 60, 70, 80, 90, and 100 on the front. Parent fills in the number word on the back.
93	Shapes	Using three index cards, draw an oval, diamond, and octagon on individual cards. Allow your students to color each shape. Parent fills in the appropriate identification on the back.
97	Liquid Measure	Parent creates five flash cards with labels: ounce, cup, pint, quart, and gallon.
108	Solids	Using four index cards, draw a sphere, a cylinder, a cube, and a cone. Allow your students to color each shape. Parents fills in the appropriate identification on the back.