

**Targets standards in these areas:**

- **Counting & Cardinality**
- **Number & Operations in Base Ten**

*For full description, see page 2.*

**What's Included:**

- 10 activity folders
- 10 sets of tiles
- 10 storage pouches
- Assessment reproducible (on page 3 of this guide)
- Reproducible versions of the tiles (on pages 4–12 of this guide)
- Reproducible answer cards (on pages 13–16 of this guide)

**Before You Begin**

- The tiles, cards, pouches, and folders are color-coded. First, place the tiles/cards (and answer cards, if needed) in the storage pouches. Then, put the pouches inside the game folders in the storage box—and the games are ready to use!

**About the Folder Games**

These easy-to-use games help children strengthen essential math skills— independently! The 10 activity folders come with everything students need for hands-on practice with counting and place value. Plus, each folder includes simple three-step instructions.

**Getting Started**

Before students play the games independently, invite volunteers to help you model how to play. Select a game folder and point out that the front of the folder shows the materials students will need. Next, read the instructions together, reminding students to look at the illustrations. Now have volunteers take turns playing the game, and prompt them to check their answers on the back of the pieces or with the answer card (if provided).

Place the games in a math center and have students rotate through, or invite students to select games to play independently at their desks.

**Note:** If you lose a folder game card or tile, you can use the reproducible manipulatives and cards on pages 4–16 of this guide.

**Assessment**

A reproducible assessment is on page 3 of this guide. The assessment can be used as a pre-assessment tool to identify which folders students should be able to work on independently. It can also be used to identify which skill sets students need to develop further before they play the games on their own. The reproducible can also be a post-assessment that allows you to check students' understanding and track their progress. Each question on the assessment corresponds to a skill covered in one of the folders. (A complete list of the games and the skills they cover is on page 2.)

**WARNING:**

**CHOKING HAZARD**—Small parts.  
Not for children under 3 yrs.

Meeting Individual Needs

ELL

Invite students to pair up. You can also have competent students work with students who need extra support. Discuss any unfamiliar vocabulary before students play the game. Focus on terms such as *10 more*, *10 less*, *ones*, *tens*, *greater than*, *less than*, and *equal to*. Finally, remind students to follow the illustrations as they play.

Reteach/Extra Support

Have students play folder games that target areas in which they need additional support. (The folder tabs and the list to the right show each game's targeted skill.) Guide students through the instructions or solve a few of the problems together, and then have students complete the activities on their own. Using the games for a small-group lesson or for individualized instruction is a great way to reinforce key concepts and skills.

Challenge

Invite students to create their own problems for the folders. For example, for the "Fish Tank" game, have students create additional game tiles to practice the "10 more"/"10 less" skill. Or, for the "Gumball Machines" game, students can create their own gumball machines and game tiles covering numbers greater than 20.

Assessment Answers

- |      |       |
|------|-------|
| 1. C | 6. C  |
| 2. A | 7. A  |
| 3. B | 8. B  |
| 4. C | 9. B  |
| 5. C | 10. A |

# Folder Skills

Folder	Skill
1. Give a Dog a Bone	Matching Numerals to Quantities 1–10
2. Farmer Rabbit	Tens
3. Fish Tank	10 More or 10 Less
4. Doughnut Boxes	Matching Numerals to Quantities 11–20
5. Treasure Chests	Comparing Numbers
6. Number Quilt	Different Ways to Show Numbers
7. Number Freeway	Sequencing Numbers
8. Gumball Machines	Tens and Ones
9. Swinging Monkeys	Counting by Ones and Tens
10. Starfish in the Sea	Greater Than, Less Than, Equal To

# Standards Correlation

Folder(s)	Counting & Cardinality
Swinging Monkeys	Counting to 100 by ones and tens
Number Freeway	Counting forward from a given number
Give a Dog a Bone; Doughnut Boxes	Understanding the relationship between numbers and quantities
Number Quilt	Counting up to 20 items in a line, rectangular array, or circle, or up to 10 items in a scattered configuration; counting out objects up to 20
Starfish in the Sea	Identifying whether a number of objects is greater than, less than, or equal to another number of objects
Folder(s)	Number & Operations in Base Ten
Number Freeway	Counting to 120 starting at any number; reading, writing, and representing objects with a written numeral 0-120
Farmer Rabbit	Understanding 10 as a bundle of ten ones
Gumball Machines	Understanding 11-19 as numbers composed of a ten and some ones
Farmer Rabbit	Understanding 10, 20, 30, 40, 50, 60, 70, 80, 90 as one or more tens
Treasure Chests	Comparing numbers based on the values of the tens and ones digits, using >, =, and <
Fish Tank	Given a two-digit number, mentally finding 10 more or 10 less

Name \_\_\_\_\_

Date \_\_\_\_\_

# COUNTING & PLACE VALUE

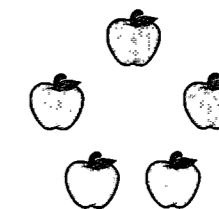
1



How many hearts are shown?

- A. 5 B. 6 C. 7

6



How many apples are shown?

- A. 3 B. 4 C. 5

2



Which number is shown?

- A. 40 B. 50 C. 30

7

Circle the missing number.

25, \_\_\_\_\_, 27

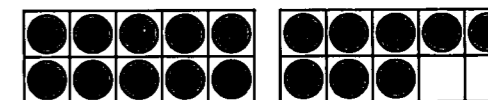
- A. 26 B. 24 C. 28

3

Which number is 10 more than 23?

- A. 13 B. 33 C. 10

8



Which number is shown?

- A. 20 B. 18 C. 15

4



How many stars are shown?

- A. 15 B. 13 C. 14

9

Circle the missing number.

10, 20, \_\_\_\_\_

- A. 21 B. 30 C. 40

5

Circle the symbol that makes the number sentence true.

16 ○ 61

- A. > B. = C. <

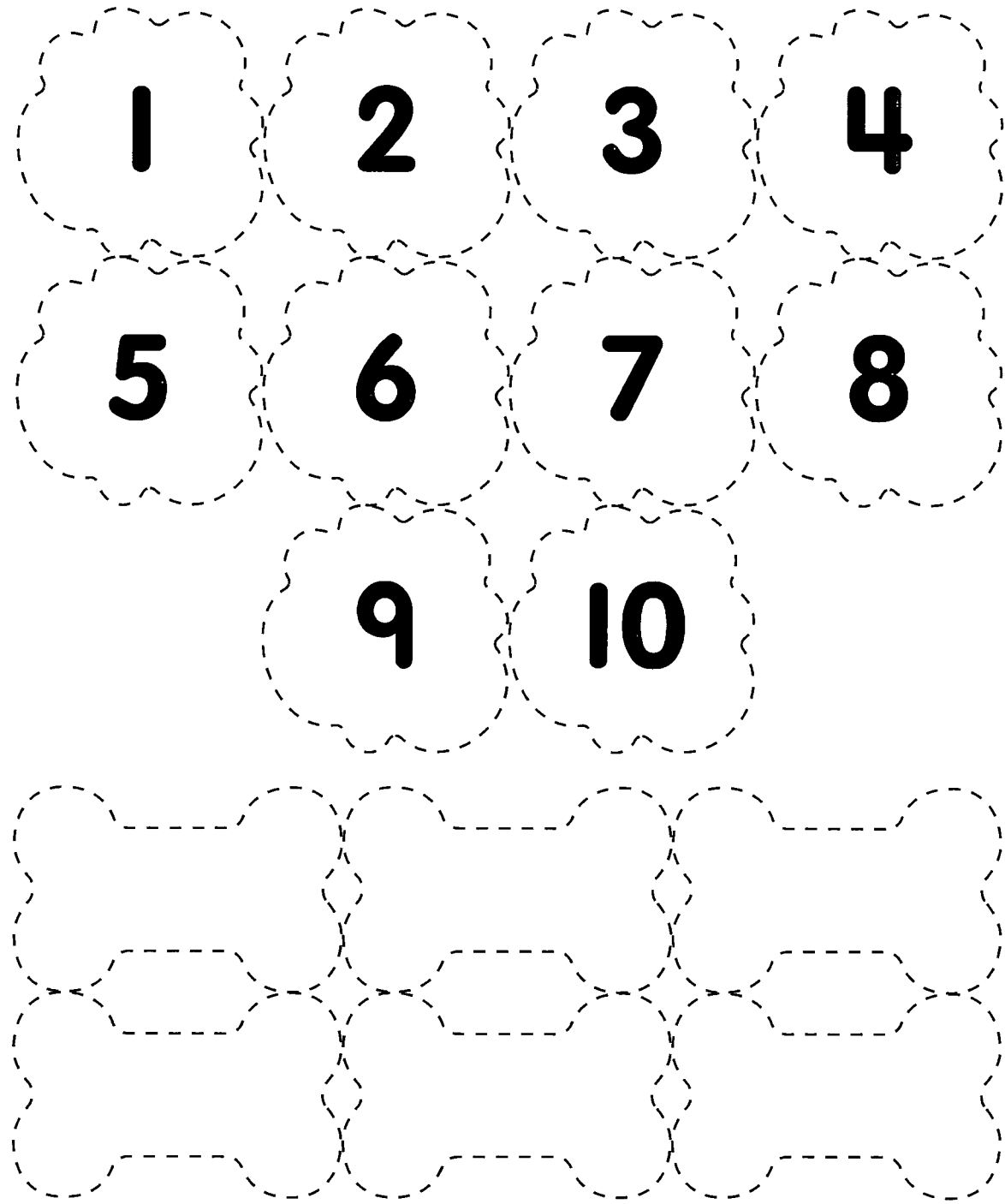
10



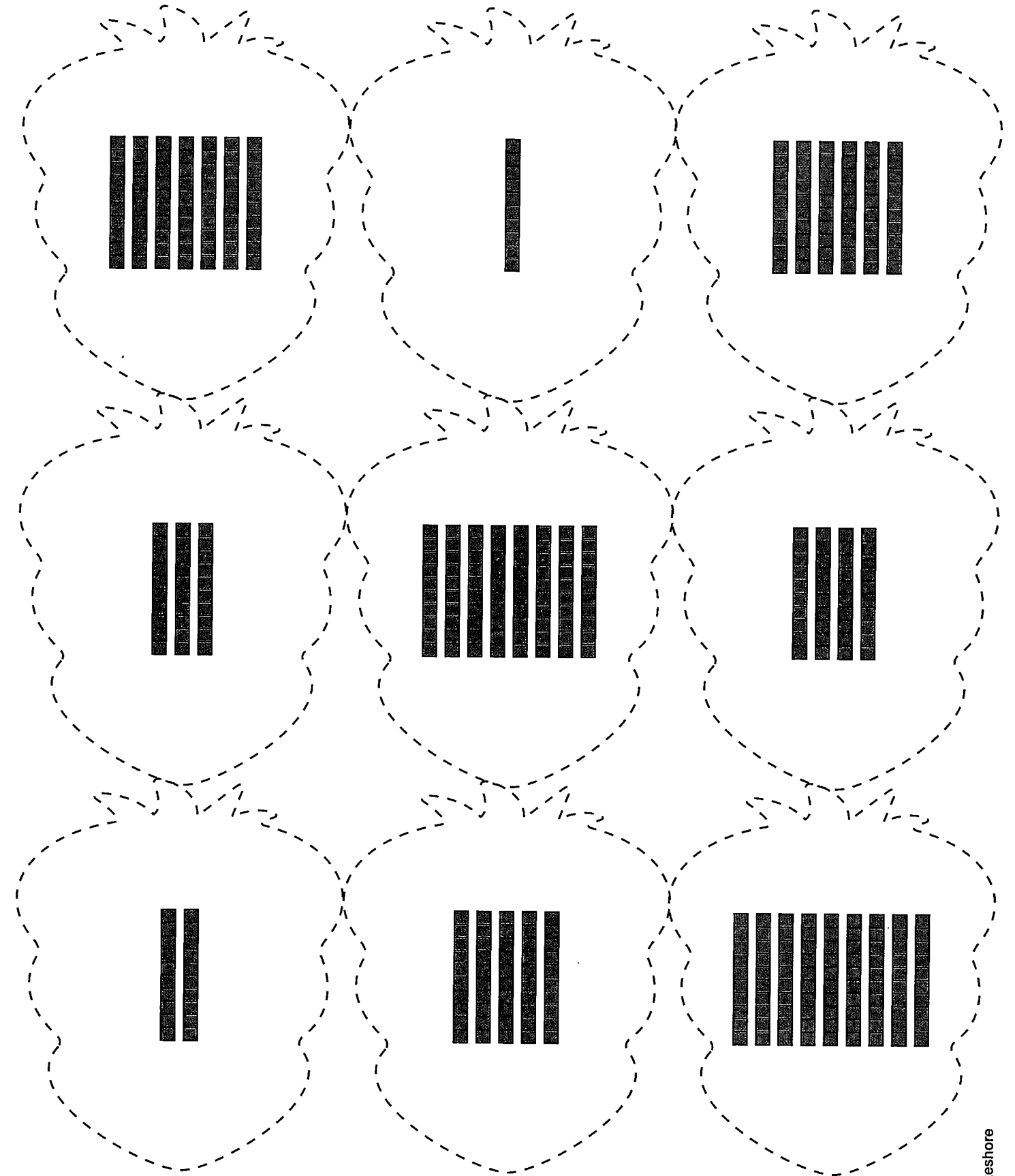
Circle the symbol that makes the sentence true.

- A. > B. = C. <

# FOLDER 1 - GIVE A DOG A BONE



# FOLDER 2 - FARMER RABBIT



### FOLDER 3 - FISH TANK

10 more than <b>30</b>	10 more than <b>90</b>	10 more than <b>50</b>	10 more than <b>20</b>	10 more than <b>41</b>
10 more than <b>54</b>	10 more than <b>16</b>	10 more than <b>70</b>	10 less than <b>55</b>	10 less than <b>100</b>
10 more than <b>5</b>	10 more than <b>67</b>	10 less than <b>57</b>	10 less than <b>43</b>	10 less than <b>11</b>
10 less than <b>30</b>	10 less than <b>80</b>	10 less than <b>20</b>	10 less than <b>41</b>	10 less than <b>60</b>

### FOLDER 4 - DOUGHNUT BOXES

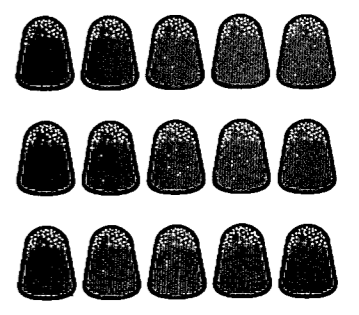
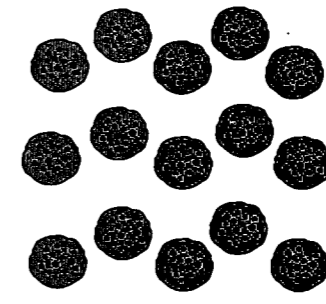
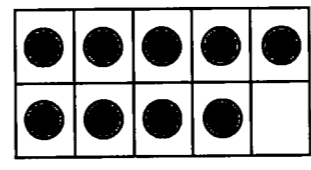
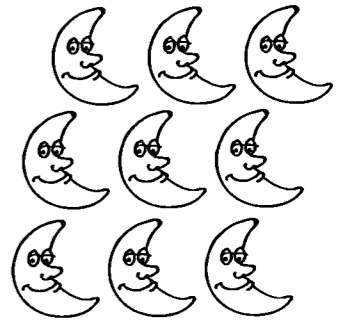
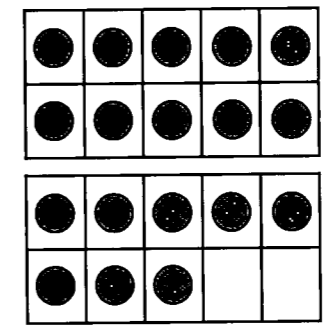
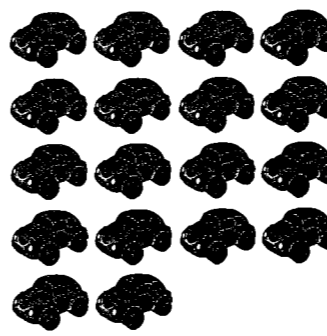
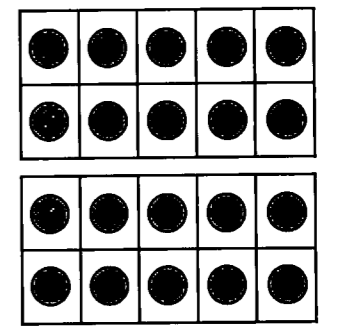
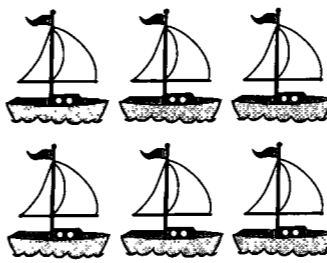
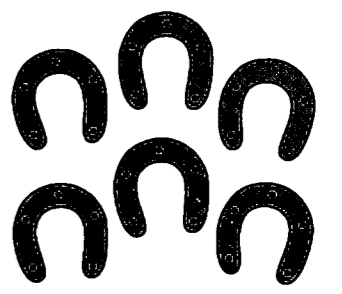
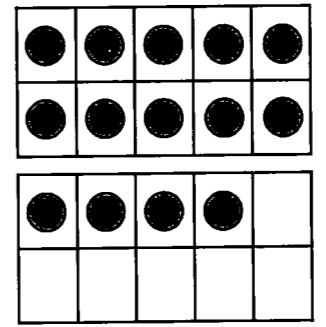
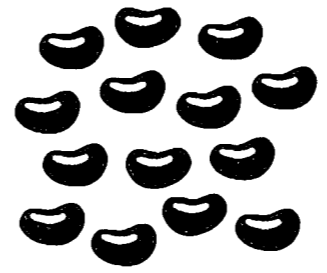
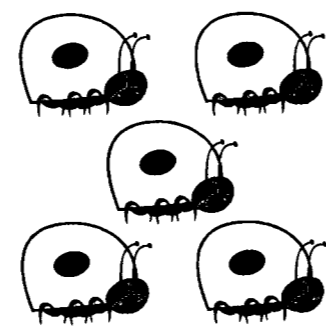
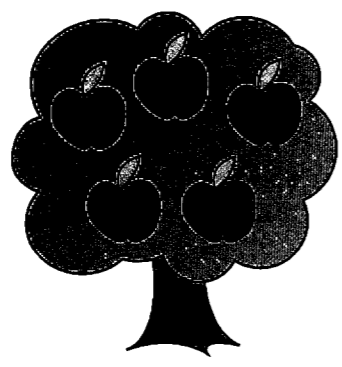
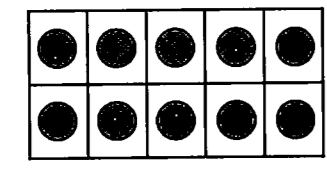
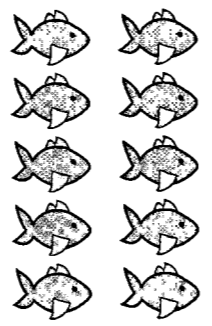
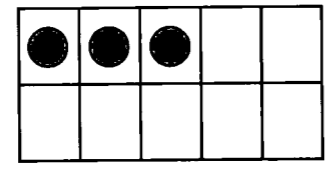
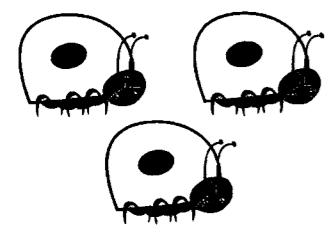
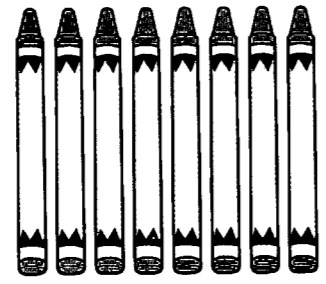
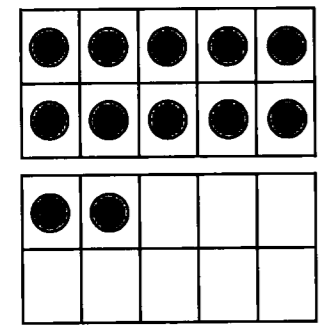
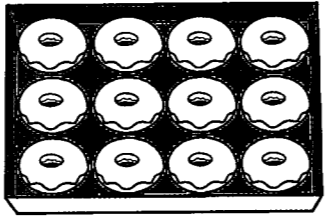
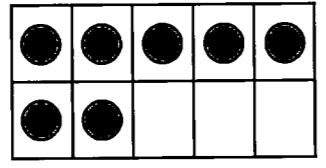
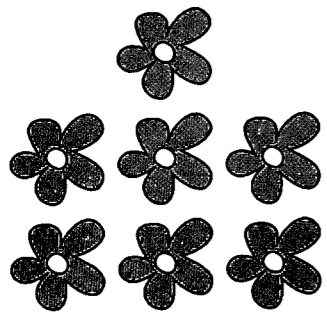
<b>11</b>	<b>12</b>	<b>13</b>
<b>14</b>	<b>15</b>	<b>16</b>
<b>17</b>	<b>18</b>	<b>19</b>
	<b>20</b>	

### FOLDER 5 - TREASURE CHESTS

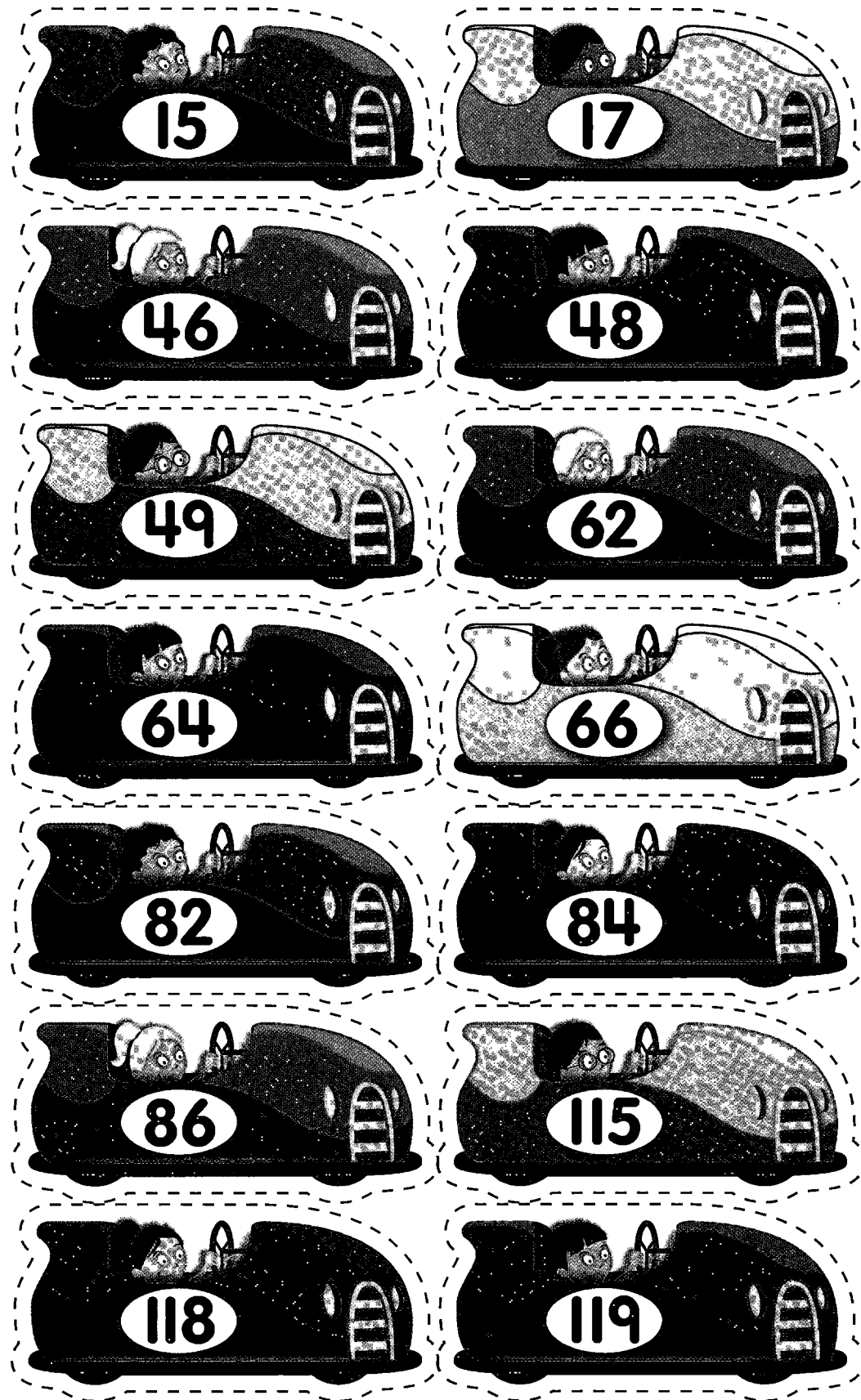
<b>&gt;</b>	<b>&gt;</b>	<b>&gt;</b>	<b>&lt;</b>	<b>&lt;</b>	<b>&lt;</b>
		<b>=</b>	<b>=</b>		

# FOLDER 6 - NUMBER QUILT

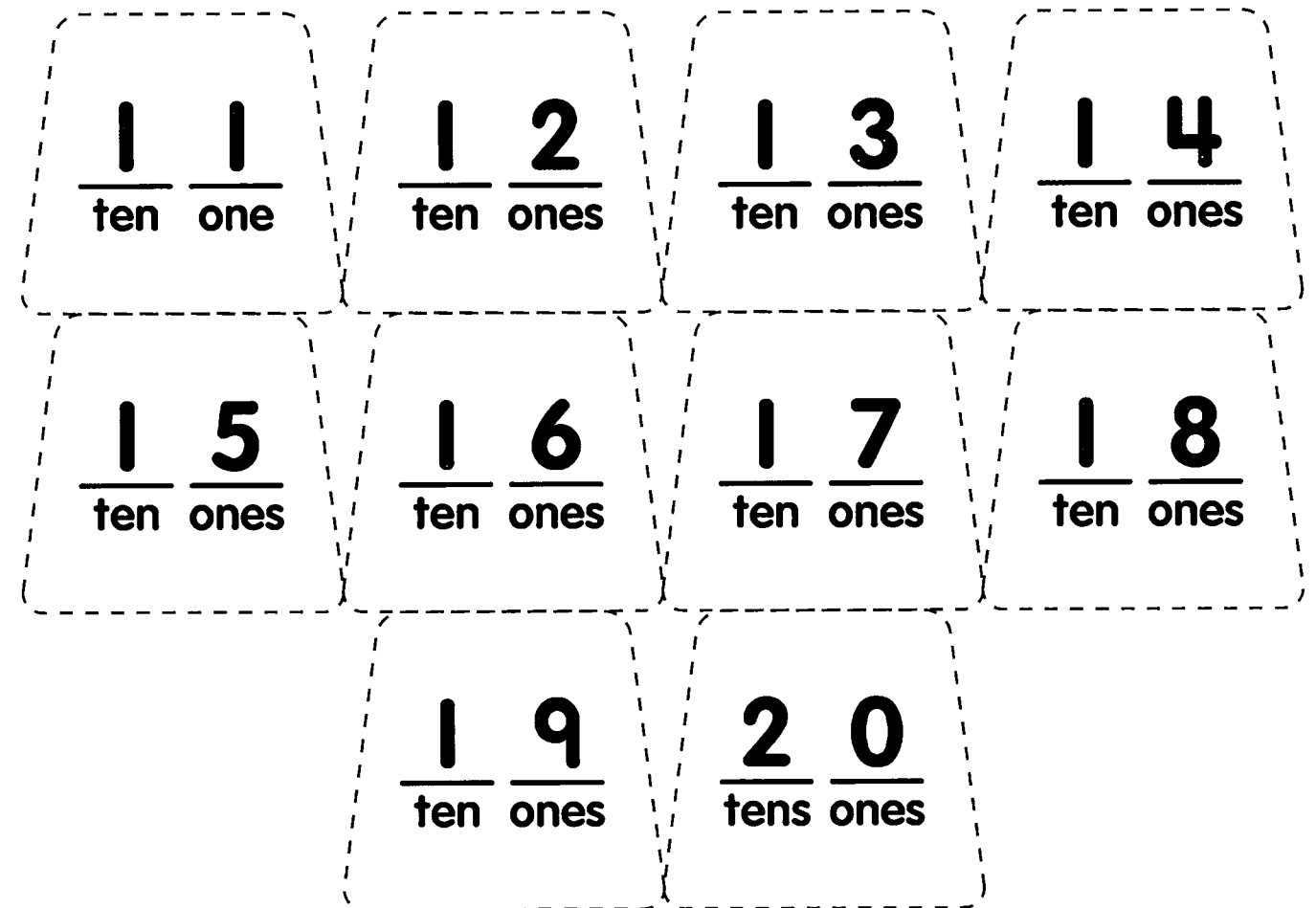
# FOLDER 6 - NUMBER QUILT (CONTINUED)



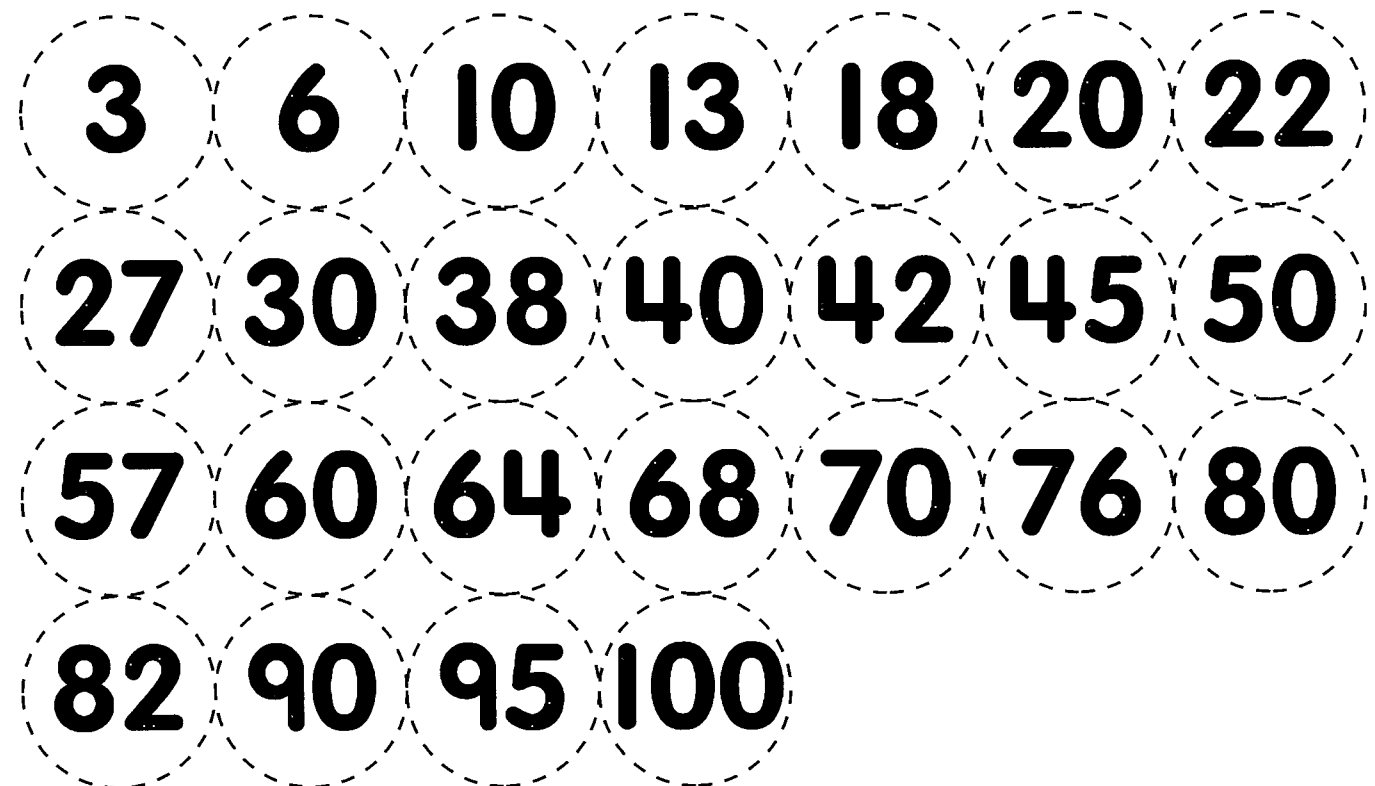
### FOLDER 7 - NUMBER FREEWAY



### FOLDER 8 - GUMBALL MACHINES



### FOLDER 9 - SWINGING MONKEYS



# ANSWER CARDS (CONTINUED)

FOLDER 4 - DOUGHNUT BOXES

14	11	16	12	19
15	17	13	18	20

FOLDER 5 - TREASURE CHESTS

15 < 26	41 = 41
70 > 53	63 < 95
86 = 86	12 < 19
74 > 47	32 > 21

# ANSWER CARDS (CONTINUED)

FOLDER 7 - NUMBER FREEWAY

13	14	15	16	17	18
45	46	47	48	49	50
62	63	64	65	66	67
81	82	83	84	85	86
115	116	117	118	119	120

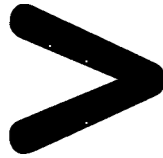
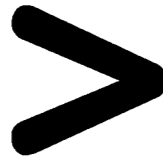
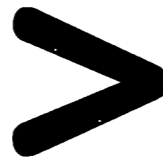
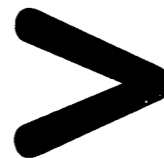
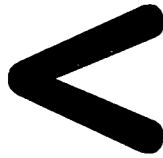
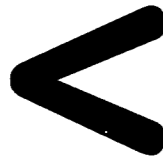
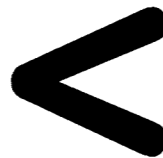
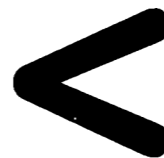


FOLDER 6 - NUMBER QUILT

5 	14 	6 
20 	3 	8 
10 	18 	9 
15 	7 	12 

FOLDER 8 - GUMBALL MACHINES

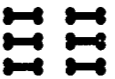

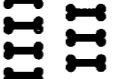

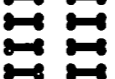

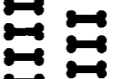

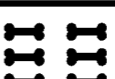
1 5 ten ones	1 8 ten ones	1 1 ten one	1 3 ten ones	1 6 ten ones
2 0 tens ones	1 7 ten ones	1 2 ten ones	1 9 ten ones	1 4 ten ones

# FOLDER 10 - STARFISH IN THE SEA










 greater than	 greater than	 greater than	 greater than
 less than	 less than	 less than	 less than
 equal to		 equal to	

# ANSWER CARDS

## FOLDER 1 - GIVE A DOG A BONE

1	-	6	
2		7	
3		8	
4		9	
5		10	

## FOLDER 2 - FARMER RABBIT

70		40	
10		20	
60		50	
30		90	
80			

## FOLDER 3 - FISH TANK

10 more than 30 → 40	10 more than 67 → 77	10 less than 43 → 33	10 more than 54 → 64	10 less than 100 → 90
10 less than 11 → 1	10 more than 41 → 51	10 more than 20 → 30	10 less than 57 → 47	10 less than 30 → 20
10 more than 16 → 26	10 less than 55 → 45	10 more than 70 → 80	10 less than 80 → 70	10 more than 90 → 100
10 less than 41 → 31	10 more than 50 → 60	10 less than 20 → 10	10 more than 5 → 15	10 less than 60 → 50



# ANSWER CARDS (CONTINUED)

## FOLDER 9 - SWINGING MONKEYS

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

## FOLDER 10 - STARFISH IN THE SEA

