

Multiplication Bingo

$$6 \times 7 =$$



Multiplication

Multiplication Bingo

Children race to be the first to color in all the products in one row of their multiplication grid.

Materials

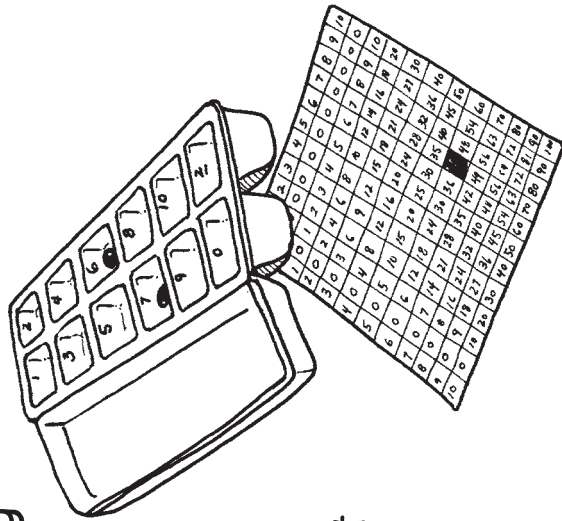
- shoe box
- glue
- copy of student directions
- copy of box label
- multiplication grid (page 46)
- crayons
- egg carton
- marker
- two dried beans (any type)

Putting It Together

Label the inside of each egg cup with a different number, between 0 and 10 (repeat one of the numbers on the extra cups). Make several copies of the multiplication grid. Place the egg carton, beans, grids, and crayons inside the shoe box. Glue the box label to one end of the shoe box and the student directions to the inside of the lid.

Directions (for 2 players)

- 1 Take a multiplication grid and a crayon. Put two beans in the egg carton and close the carton.
- 2 Take turns shaking the carton and opening it. Multiply the two numbers the beans have landed on and then color in the product on your grid.
- 3 The first player to color in a “bingo” wins.



Array for Cookies!



Multiplication

Array for Cookies!

To solve multiplication problems, children arrange cookies on a tray.

Materials

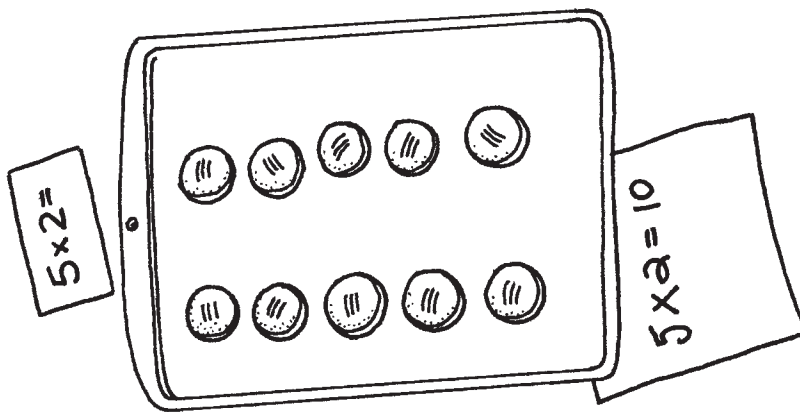
- shoe box
- glue
- copy of student directions
- copy of box label
- an assortment of small cookies or cookie-shaped cereal (stored in resealable bags)
- index cards
- markers
- copies of cookie sheet (page 47)
- paper and pencil

Putting It Together

Make several copies of the cookie sheet. Write a different multiplication problem (without the answer) on each index card. Place the cookies, index cards, and paper and pencil inside the shoe box. Glue the box label to one end of the shoe box and the student directions to the inside of the lid.

Directions

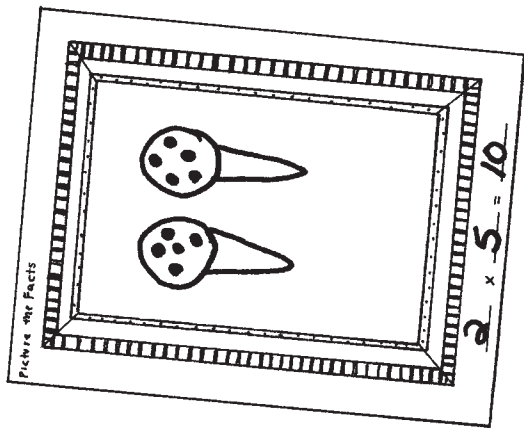
- 1 Choose a card.
- 2 Solve the problem on your card by arranging cookies on the cookie sheet.
- 3 Record the complete number sentence on your paper.
- 4 Choose a new card and repeat.



Directions

1 Choose one times table. Color these squares (for the 5's table, for example, color 5, 10, 15, 20, and so on) on the grid.

2 Based on this set, write one fact on each page of the book. Draw pictures inside each frame to show the equations. For example, for 9×7 , you might draw 9 flowers, each with 7 petals.



Picture the Facts

$$6 \times 2 =$$



Multiplication

Picture the Facts

Children create picture books to illustrate multiplication facts.

Materials

- shoe box
- glue
- copy of student directions
- copy of box label
- crayons
- book cover and picture frame (pages 48 and 49)
- multiplication grid (page 46)

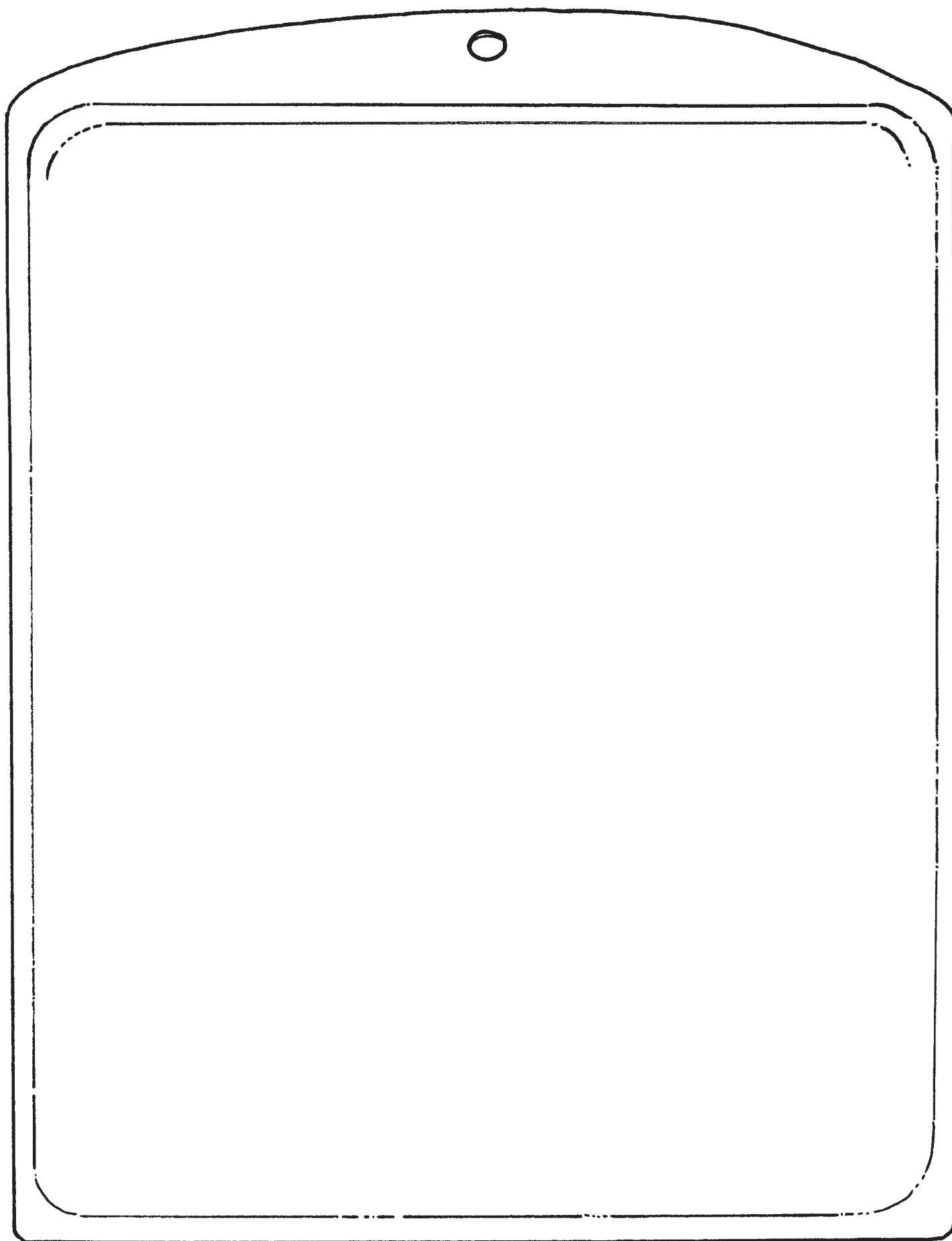
Putting It Together

To create each book, make one copy of the cover and eleven copies of the frame and staple together. Make several copies of the multiplication grid. Place the books, crayons, and grids inside the shoe box. Glue the box label to one end of the shoe box and the student directions to the inside of the lid.

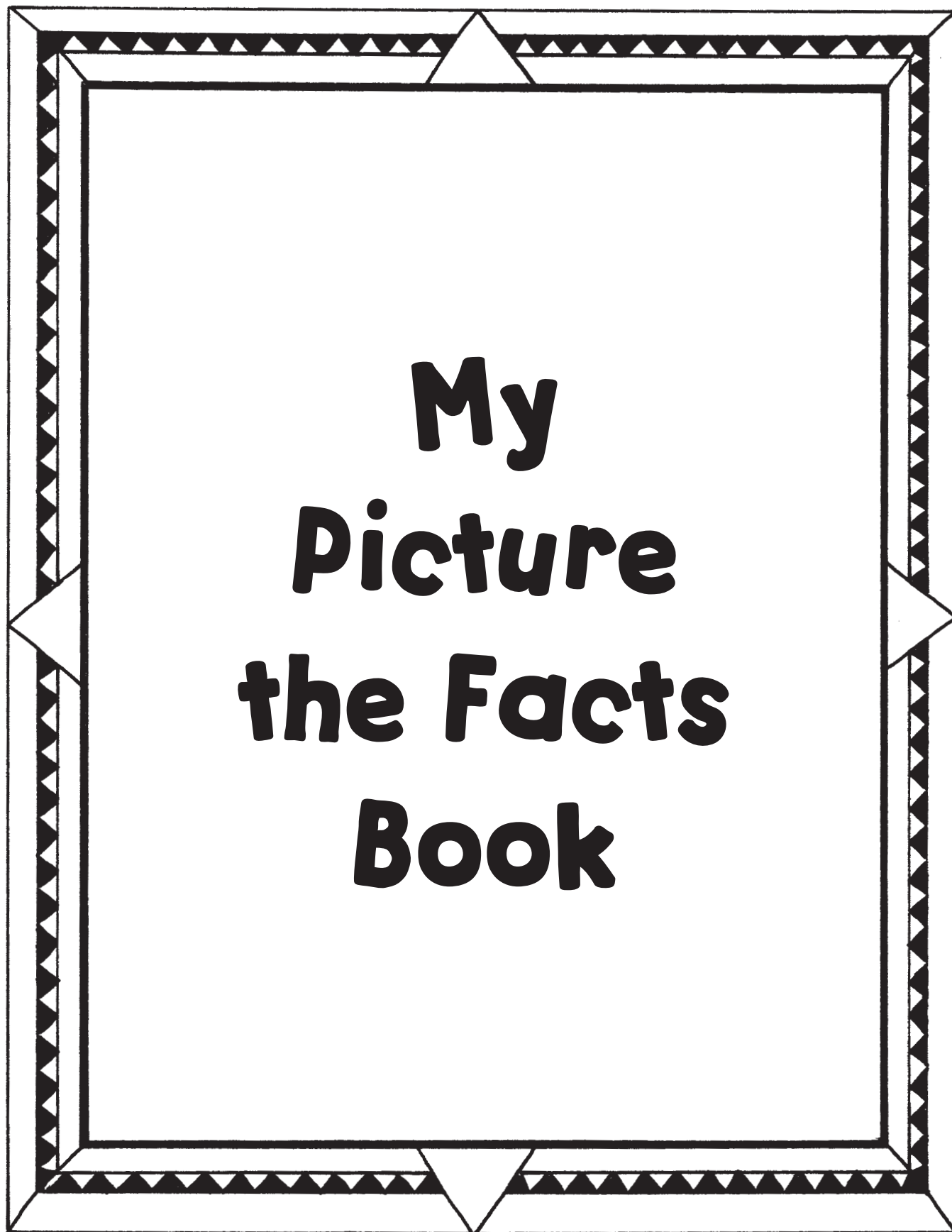
Multiplication Grid

X	0	1	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10
2	0	2	4	6	8	10	12	14	16	18	20
3	0	3	6	9	12	15	18	21	24	27	30
4	0	4	8	12	16	20	24	28	32	36	40
5	0	5	10	15	20	25	30	35	40	45	50
6	0	6	12	18	24	30	36	42	48	54	60
7	0	7	14	21	28	35	42	49	56	63	70
8	0	8	16	24	32	40	48	56	64	72	80
9	0	9	18	27	36	45	54	63	72	81	90
10	0	10	20	30	40	50	60	70	80	90	100

Array for Cookies!

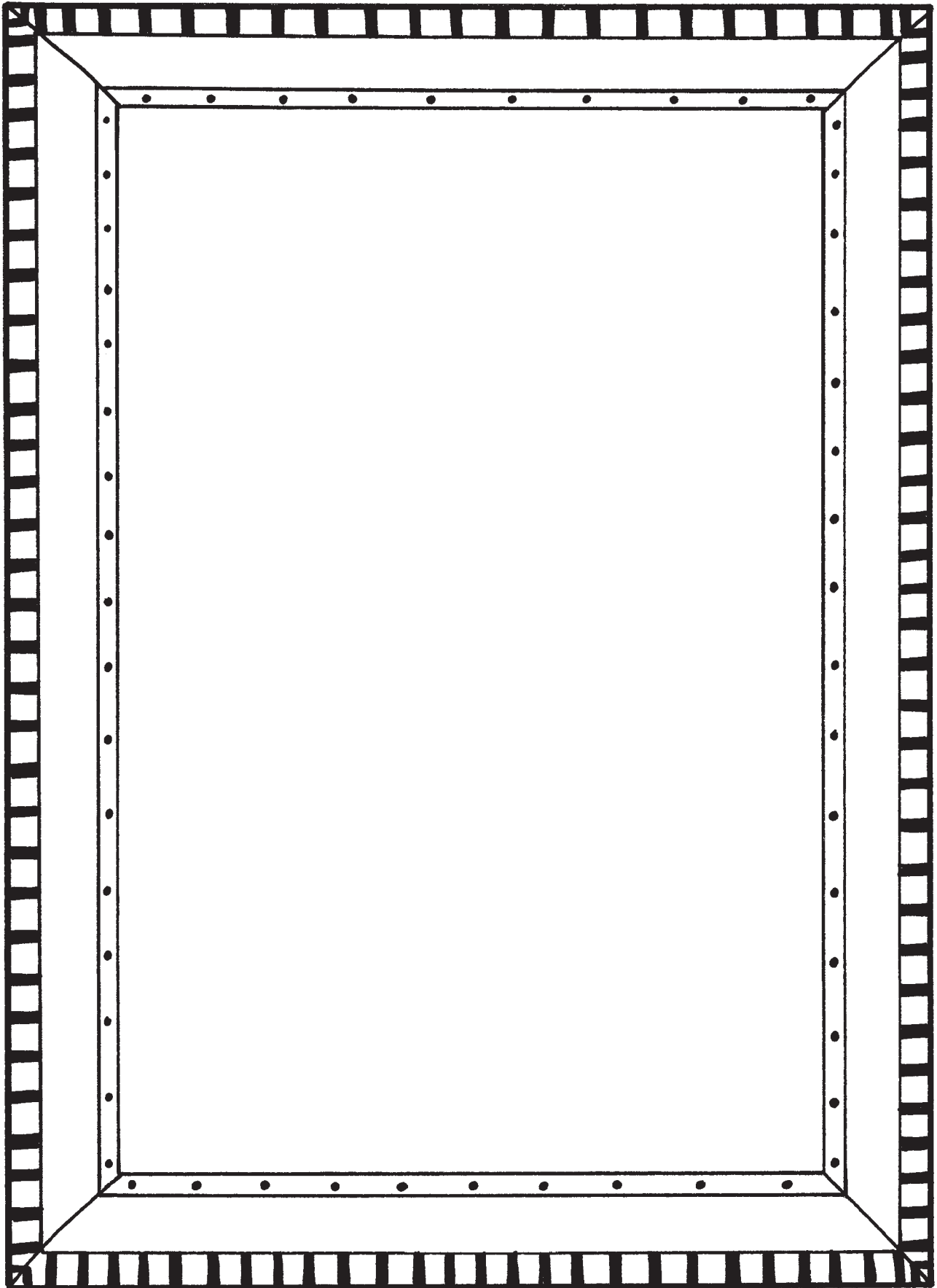


Picture-the-Facts Cover



Name _____

Picture-the-Facts Frame



$$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

Setting Up Shoe Box Learning Centers

Copy each page onto colored paper (or have children decorate), cut along the lines, and glue onto a shoe box to create the center. Each center includes:

- **Label and Directions.** The title becomes the box label—simply glue it to one side of the shoebox for easy storage and retrieval. Cut out the directions and glue to the inside lid of the shoe box.
- **Materials.** Check here to find out which items you'll need for each center. Most materials can be readily found in your home or classroom.
- **Putting It Together.** Here's where you'll find simple directions to assemble each center. In most cases, all you'll need to do is gather materials and make copies of the reproducibles.
- **Tips and Beyond the Center** provide helpful hints and extension activities.
- **Reproducible Pages.** Record sheets, math mats, game boards, and patterns are just some of the reproducibles you'll include in the centers.

