

# Patterns in Products

## Home Link 5-7

NAME

DATE

TIME

**Family Note** Today your child used number grids and the Multiplication/Division Facts Table to explore patterns in multiples of 5s, 9s, and 10s, as well as in products of even and odd numbers. Recognizing and making sense of patterns is an important part of mathematics. Understanding the patterns in these products will also help your child become more fluent with multiplication facts.

**Please return this Home Link to school tomorrow.**

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

- ① Circle the products of  $10 \times 1$ ,  $10 \times 2$ ,  $10 \times 3$ ,  $10 \times 4$ , and  $10 \times 5$ .
- ② Shade the products of  $9 \times 1$ ,  $9 \times 2$ ,  $9 \times 3$ ,  $9 \times 4$ , and  $9 \times 5$ .
- ③ Explain why the pattern for the products of 10s facts is a straight column.

---

---

---

- ④ Explain why the pattern for the products of 9s facts is a diagonal.  
*Hint:* Think of how it compares to the products of the 10s facts pattern.

---

---

---