NAME _____

Lesson 1 Multiplication (introduction)

2×3 is read "two times three."	2×3 means $3 + 3$.
3×2 is read "three times two."	3×2 means $2 + 2 + 2$.
4×5 is read "four times five."	4×5 means $5 + 5 + 5 + 5$.
3×6 is read "three times six."	3×6 means _____.
2×7 is read "two times seven."	2×7 means _____.

Complete the following as shown.

1. 2×5 is read "two times five".

2. 3×4 is read _____.

3. 5×2 is read _____.

4. 4×8 is read _____.

5. 4×7 is read _____.

Complete the following as shown.

	a	*b*
6.	2×4 means $4 + 4$.	4×2 means $2 + 2 + 2 + 2$.
7.	3×5 means _____.	5×3 means _____.
8.	3×7 means _____.	7×3 means _____.
9.	4×6 means _____.	6×4 means _____.
10.	2×8 means _____.	8×2 means _____.
11.	3×9 means _____.	9×3 means _____.

CHAPTER 8

NAME _____

Lesson 2 Multiplication (concept)

3×4 means $4 + 4 + 4$.

$$\begin{array}{r} 4 \\ \times 3 \\ \hline 12 \end{array} \qquad \begin{array}{r} 4 \\ 4 \\ +4 \\ \hline 12 \end{array}$$

4×3 means $3 + 3 + 3 + 3$.

$$\begin{array}{r} 3 \\ \times 4 \\ \hline 12 \end{array} \qquad \begin{array}{r} 3 \\ 3 \\ 3 \\ +3 \\ \hline 12 \end{array}$$

Add or multiply.

	a	*b*	*c*	*d*	*e*	*f*
1.	8 +8	8 ×2	4 +4	4 ×2	5 +5	5 ×2
2.	6 +6	6 ×2	7 +7	7 ×2	2 +2	2 ×2
3.	9 +9	9 ×2	3 +3	3 ×2	1 +1	1 ×2
4.	2 2 +2	2 ×3	3 3 +3	3 ×3	4 4 +4	4 ×3
5.	5 5 +5	5 ×3	6 6 +6	6 ×3	7 7 +7	7 ×3
6.	8 8 +8	8 ×3	9 9 +9	9 ×3	1 1 +1	1 ×3

NAME _____

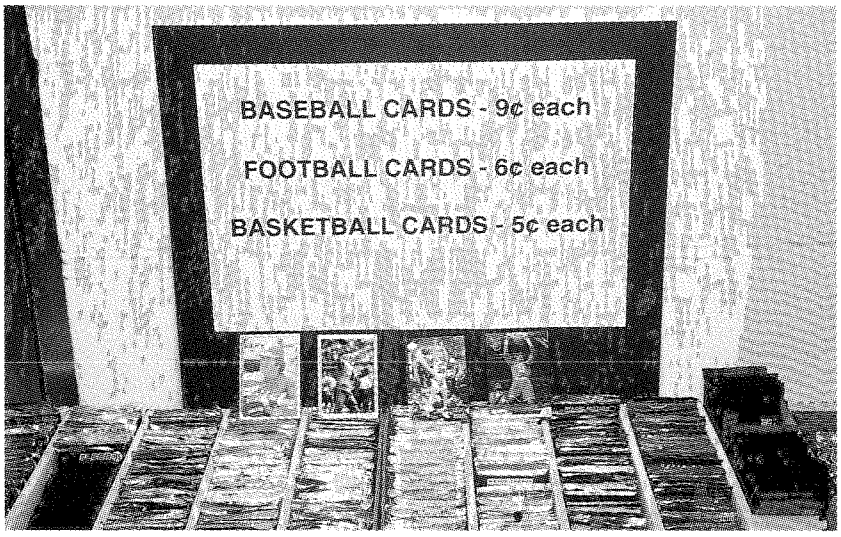
Lesson 3 Multiplication (by 0 and 1)

1	2	0	0	0	1	2	1
×0	×0	×3	×4	×1	×1	×1	×3
0	0	0	0	0	1	2	3

Multiply.

	a	*b*	*c*	*d*	*e*	*f*
1.	0 ×2	9 ×1	1 ×7	6 ×0	1 ×5	0 ×7
2.	4 ×0	8 ×1	1 ×4	0 ×9	7 ×0	6 ×1
3.	5 ×0	0 ×8	5 ×1	1 ×6	1 ×1	8 ×0
4.	1 ×7	0 ×4	3 ×0	9 ×0	7 ×1	1 ×5
5.	0 ×7	1 ×9	1 ×6	0 ×5	1 ×0	2 ×1
6.	1 ×4	1 ×8	4 ×0	8 ×1	0 ×6	0 ×3
7.	0 ×9	6 ×1	0 ×2	9 ×1	0 ×1	3 ×1
8.	1 ×2	6 ×0	7 ×0	1 ×3	4 ×1	0 ×0

Lesson 3 Problem Solving



Solve each problem.

1. Molly bought two baseball cards. Each baseball card cost 9¢. How much did Molly pay for the baseball cards?

Molly bought _____ baseball cards.

Each baseball card cost _____¢.

Molly paid _____¢ for the baseball cards.

1.

2. Cody bought two football cards. They cost 6¢ each. How much did Cody pay for the football cards?

Cody bought _____ football cards.

One football card cost _____¢.

Cody paid _____¢ for the football cards.

2.

3. There are eight cards in each pack. How many cards are in three packs?

_____ cards are in three packs.

3.

4. One basketball card costs 5¢. How much will eight basketball cards cost?

Eight basketball cards will cost _____¢.

4.

NAME _____

Lesson 4 Multiplication (facts through 5 × 9)

6 → Find the 6 -row.
×4 → Find the 4 -column.
24 ← The product is named where the 6-row and 4-column meet.

4-column

×	0	1	2	3	4	5	6	7	8	9
0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9
2	0	2	4	6	8	10	12	14	16	18
3	0	3	6	9	12	15	18	21	24	27
4	0	4	8	12	16	20	24	28	32	36
5	0	5	10	15	20	25	30	35	40	45
6	0	6	12	18	24	30				
7	0	7	14	21	28	35				
8	0	8	16	24	32	40				
9	0	9	18	27	36	45				

6-row →

CHAPTER 8

Multiply.

	a	*b*	*c*	*d*	*e*	*f*
1.	5 ×4	8 ×4	7 ×5	6 ×5	2 ×4	4 ×3
2.	5 ×5	6 ×3	9 ×4	1 ×4	0 ×5	4 ×4
3.	3 ×5	7 ×4	2 ×5	4 ×2	8 ×5	9 ×2
4.	5 ×3	3 ×3	8 ×2	0 ×4	3 ×2	5 ×2
5.	6 ×4	8 ×3	4 ×1	5 ×0	5 ×1	6 ×2
6.	9 ×5	4 ×0	3 ×4	7 ×2	7 ×3	1 ×5

Lesson 4 Problem Solving

Solve each problem.

1. Ashley wants to buy five erasers. They cost 9¢ each. How much will she have to pay?

Ashley wants to buy _____ erasers.

One eraser costs _____¢.

Ashley will have to pay _____¢.

1.

2. There are five rows of mailboxes. There are seven mailboxes in each row. How many mailboxes are there in all?

There are _____ mailboxes in each row.

There are _____ rows of mailboxes.

There are _____ mailboxes in all.

2.

3. Milton, the pet monkey, eats four meals every day. How many meals does he eat in a week?

There are _____ days in a week.

Milton eats _____ meals every day.

Milton eats _____ meals in a week.

3.

4. In a baseball game each team gets three outs per inning. How many outs does each team get in a five-inning game?

There are _____ innings in the game.

Each team gets _____ outs per inning.

Each team gets _____ outs in the five-inning game.

4.

5. Cameron has gained 2 kg in each of the past five months. How much weight has he gained?

Cameron has gained _____ kg in five months.

5.

NAME _____

Lesson 5 Multiplication Review

Multiply.

	a	*b*	*c*	*d*	*e*	*f*
1.	0 ×8	4 ×2	8 ×5	7 ×3	6 ×1	7 ×0
2.	1 ×1	9 ×2	4 ×4	3 ×5	6 ×5	1 ×4
3.	0 ×6	1 ×2	4 ×0	8 ×2	9 ×5	5 ×5
4.	8 ×4	6 ×3	1 ×5	9 ×0	2 ×1	7 ×2
5.	5 ×3	7 ×4	4 ×5	3 ×2	9 ×3	8 ×1
6.	6 ×0	3 ×1	6 ×2	0 ×0	2 ×3	9 ×4
7.	7 ×5	8 ×3	1 ×0	0 ×3	4 ×1	6 ×4
8.	5 ×4	2 ×2	9 ×1	1 ×7	2 ×4	3 ×3
9.	1 ×9	2 ×0	5 ×2	3 ×4	2 ×5	4 ×3

Lesson 5 Problem Solving

Solve each problem.

1. Neal has six books. Each book has a mass of 1 kg. What is the mass of all the books?

Neal has _____ books.

Each book has a mass of _____ kg.

The six books have a mass of _____ kg.

1.

2. A basketball game has four time periods. Kate's team is to play eight games. How many periods will her team play?

Kate's team is to play _____ games.

Each game has _____ time periods.

Kate's team will play _____ time periods in all.

2.

3. Meagan works 8 h every day. How many hours does she work in 5 days?

She works _____ h in 5 days.

3.

4. Shane can jog 5 km in an hour. At that speed how far could he jog in 2 h?

Shane could jog _____ km in 2 h.

4.

5. Calvin bought five bags of balloons. Each bag had six balloons. How many balloons did he buy?

Calvin bought _____ balloons in all.

5.

6. Kristen can build a model car in 3 h. How long would it take her to build four model cars?

Kristen could build four model cars in _____ h.

6.

NAME _____

CHAPTER 8 PRACTICE TEST
Multiplication (basic facts through 5 × 9)

Multiply.

	a	*b*	*c*	*d*	*e*
1.	1 ×6	7 ×4	9 ×0	3 ×4	9 ×5
2.	4 ×3	7 ×3	0 ×6	1 ×4	6 ×2
3.	9 ×2	8 ×5	9 ×3	3 ×2	4 ×4
4.	0 ×1	5 ×5	9 ×4	3 ×0	4 ×5

Solve each problem.

5. Nathan bought five boxes of pencils. There are six pencils in each box. How many pencils did he buy?

Nathan bought _____ boxes of pencils.

There are _____ pencils in each box.

He bought _____ pencils in all.

5.

6. Erin is to put four apples in each bag. How many apples does she need to fill eight bags?

Erin needs _____ apples in all.

6.

7. Troy bought three boxes of crayons. Each box held eight crayons. How many crayons did he buy?

Troy bought _____ crayons.

7.

NAME _____

CHAPTER 9 PRETEST
Multiplication (basic facts through 9 × 9)

Multiply.

	a	*b*	*c*	*d*	*e*	*f*
1.	7 ×6	6 ×6	4 ×6	8 ×6	5 ×6	9 ×6
2.	8 ×7	4 ×7	9 ×7	7 ×7	6 ×7	5 ×7
3.	9 ×8	5 ×8	7 ×8	8 ×8	6 ×8	4 ×8
4.	6 ×9	9 ×9	5 ×9	8 ×9	4 ×9	7 ×9

Solve each problem.

5. Luke set up nine rows of chairs. He put nine chairs in each row. How many chairs did he use?

Luke used _____ chairs.

6. Bethany's dad works 8 h every day. How many hours would he work in 7 days?

He would work _____ h in 7 days.

7. There are nine players on a team. How many players are there on seven teams?

There are _____ players on seven teams.

8. Brent puts six apples into each bag. How many apples would he need to fill seven bags?

He would need _____ apples.

5.	**6.**
7.	**8.**