Lesson 1   Multiplication (by tens)

4	40	2	20	7	70	8	80
×2	×2	×3	×3	×3	×3	×4	×4
8	80	6	60	21	210	32	320

Multiply.

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

CHAPTER 10

Lesson 1 Problem Solving

Solve each problem.

1. There are four classrooms on the first floor. Each classroom has 30 seats. How many seats are on the first floor?

   _____ seats are in each classroom.

   _____ classrooms are on the first floor.

   _____ seats are on the first floor.

2. Laura placed two boxes on a wagon. Each box has a mass of 20 kg. What is the mass of the two boxes?

   Each box has a mass of _____ kg.

   Laura placed _____ boxes on the wagon.

   The two boxes have a mass of _____ kg.

3. Trent bought three packages of paper. Each package had 30 sheets. How many sheets of paper did he buy?

   Each package contains _____ sheets of paper.

   Trent bought _____ packages of paper.

   Trent bought _____ sheets of paper.

4. Mrs. Long bought six boxes of nails. Each box had 30 nails. How many nails did she buy?

   Mrs. Long bought _____ nails.

5. There are 40 bottles in a case. How many bottles are there in two cases?

   There are _____ bottles in two cases.

6. A bus has 40 passenger seats. How many passenger seats are there on seven such buses?

   There are _____ passenger seats on seven buses.

1.	
2.	
3.	4.
5.	6.

Lesson 2 Multiplication (2-digit by 1-digit)

	Multiply 2 ones by 3.	**Multiply 7 tens by 3.**	
72 ×3	72 ×3 —— 6	72 ×3 —— 6 210	72 ×3 —— 6 ⎫ 210 ⎬ Add. —— 216

Multiply.

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

CHAPTER 10

Lesson 3 Multiplication (2-digit by 1-digit)

	Multiply 4 ones by 2.	Multiply. 8 tens by 2.
84 ×2	84 ×2 — 8	84 ×2 — 168

Multiply.

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

Lesson 4 Multiplication (with renaming)

Multiply
7 ones by 3.

Multiply 1 ten by 3.
Add the 2 tens.

$$\begin{array}{r} 17 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 17 \\ \times 3 \\ \hline 1 \end{array}$$

$3 \times 7 = 21 = 20 + 1$

$3 \times 10 = 30$

$$\begin{array}{r} 2 \\ 17 \\ \times 3 \\ \hline 51 \end{array}$$

$30 + 20 = 50$

$$\begin{array}{r} 17 \\ \times 3 \\ \hline 51 \end{array}$$

Multiply.

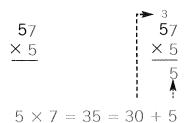|	a	b	c	d	e	f
1.	2 3 ×4	2 9 ×3	1 6 ×5	1 4 ×7	2 6 ×3	1 2 ×8
2.	3 7 ×2	2 6 ×2	4 7 ×2	2 8 ×3	1 5 ×5	2 4 ×4
3.	1 8 ×5	1 4 ×5	2 8 ×3	3 5 ×2	4 6 ×2	3 8 ×2
4.	4 5 ×2	2 7 ×3	1 5 ×6	1 2 ×7	1 5 ×4	4 8 ×2
5.	2 8 ×2	1 2 ×6	1 7 ×5	1 3 ×6	1 9 ×3	1 9 ×4
6.	3 6 ×2	2 4 ×3	2 5 ×3	1 6 ×4	2 9 ×2	1 8 ×3

CHAPTER 10

Lesson 4 Problem Solving

Solve each problem.

1. Ms. McClean ordered 7 dozen radio antennas. How many antennas did she order? (There are 12 items in a dozen.)

   There are _____ items in a dozen.

   She ordered _____ dozen antennas.

   Ms. McClean ordered _____ radio antennas.

2. There are 14 CD players on a shelf. Each player has a mass of 5 kg. What is the mass of all the players?

   There are _____ CD players.

   Each player has a mass of _____ kg.

   All the players have a mass of _____ kg.

3. Mr. Tunin bought two CD players. Each player cost $49. How much did both players cost?

   Both players cost $_____ .

4. Ms. McClean sold 36 radios this week. She sold the same number of radios last week. How many radios did she sell in the 2 weeks?

   She sold _____ radios in the 2 weeks.

1.

2.

3.

4.

Lesson 5 Multiplication (with renaming)

Multiply
7 ones by 5.

Multiply 5 tens by 5.
Add the 3 tens.

$$
\begin{array}{r} 57 \\ \times\,5 \\ \hline \end{array}
\qquad
\begin{array}{r} {\scriptstyle 3} \\ 57 \\ \times\,5 \\ \hline 5 \end{array}
\qquad
\begin{array}{r} {\scriptstyle 3} \\ 57 \\ \times\,5 \\ \hline 285 \end{array}
$$

$5 \times 7 = 35 = 30 + 5$

$5 \times 50 = 250$

$250 + 30 = 280 = 200 + 80$

Multiply.

	a	b	c	d	e	f
1.	$\begin{array}{r}3\,5\\ \times 4\\ \hline\end{array}$	$\begin{array}{r}4\,2\\ \times 6\\ \hline\end{array}$	$\begin{array}{r}5\,6\\ \times 3\\ \hline\end{array}$	$\begin{array}{r}4\,7\\ \times 5\\ \hline\end{array}$	$\begin{array}{r}3\,8\\ \times 6\\ \hline\end{array}$	$\begin{array}{r}2\,5\\ \times 5\\ \hline\end{array}$
2.	$\begin{array}{r}5\,4\\ \times 4\\ \hline\end{array}$	$\begin{array}{r}2\,7\\ \times 6\\ \hline\end{array}$	$\begin{array}{r}3\,8\\ \times 5\\ \hline\end{array}$	$\begin{array}{r}4\,8\\ \times 8\\ \hline\end{array}$	$\begin{array}{r}8\,3\\ \times 7\\ \hline\end{array}$	$\begin{array}{r}7\,4\\ \times 6\\ \hline\end{array}$
3.	$\begin{array}{r}7\,5\\ \times 4\\ \hline\end{array}$	$\begin{array}{r}5\,8\\ \times 3\\ \hline\end{array}$	$\begin{array}{r}4\,6\\ \times 4\\ \hline\end{array}$	$\begin{array}{r}3\,7\\ \times 6\\ \hline\end{array}$	$\begin{array}{r}2\,9\\ \times 5\\ \hline\end{array}$	$\begin{array}{r}4\,6\\ \times 3\\ \hline\end{array}$
4.	$\begin{array}{r}8\,4\\ \times 4\\ \hline\end{array}$	$\begin{array}{r}9\,3\\ \times 6\\ \hline\end{array}$	$\begin{array}{r}6\,2\\ \times 8\\ \hline\end{array}$	$\begin{array}{r}5\,7\\ \times 5\\ \hline\end{array}$	$\begin{array}{r}3\,9\\ \times 4\\ \hline\end{array}$	$\begin{array}{r}2\,2\\ \times 7\\ \hline\end{array}$
5.	$\begin{array}{r}4\,5\\ \times 6\\ \hline\end{array}$	$\begin{array}{r}6\,8\\ \times 7\\ \hline\end{array}$	$\begin{array}{r}7\,3\\ \times 9\\ \hline\end{array}$	$\begin{array}{r}8\,7\\ \times 8\\ \hline\end{array}$	$\begin{array}{r}9\,4\\ \times 6\\ \hline\end{array}$	$\begin{array}{r}8\,3\\ \times 4\\ \hline\end{array}$
6.	$\begin{array}{r}9\,6\\ \times 5\\ \hline\end{array}$	$\begin{array}{r}8\,5\\ \times 3\\ \hline\end{array}$	$\begin{array}{r}4\,7\\ \times 4\\ \hline\end{array}$	$\begin{array}{r}2\,3\\ \times 9\\ \hline\end{array}$	$\begin{array}{r}3\,9\\ \times 7\\ \hline\end{array}$	$\begin{array}{r}6\,5\\ \times 6\\ \hline\end{array}$

CHAPTER 10

Lesson 5 Problem Solving

Solve each problem.

1. Jordan's spelling book has 25 new words on each page. There are nine pages in the first section. How many new words are there in the first section?

   1.

   There are _____ new spelling words on each page.

   There are _____ pages in the first section.

   There are _____ new spelling words in the first section.

2. Alan wants to walk up six flights of stairs. There are 26 steps in each flight. How many steps will he have to walk up?

   2.

   There are _____ steps in each flight.

   Alan wants to walk up _____ flights.

   Alan will have to walk up _____ steps.

3. There are seven rows of seats in the balcony. There are 36 seats in each row. How many seats are in the balcony?

   3.

   There are _____ seats in each row.

   There are _____ rows.

   There are _____ seats in the balcony.

4. There are 25 baseball players on each team. How many players are there on eight such teams?

   4.   5.

   There are _____ players on eight teams.

5. Brenna used three rolls of film. She took 36 pictures on each roll. How many pictures did Brenna take?

   Brenna took _____ pictures.

CHAPTER 10   PRACTICE TEST
Multiplication (2-digit by 1-digit)

Multiply.

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

Solve each problem.

5. Morgan has four decks of number cards. There are 52 cards in each deck. How many cards does she have?

She has _____ decks.

There are _____ cards in each deck.

Morgan has _____ cards in all.

5.

6. Blake's father works 37 h each week. How many hours would he work in 4 weeks?

He would work _____ h in 4 weeks.

6.

7. Mr. Richards gave each student three sheets of paper. There were 28 students. How many sheets of paper did he use?

Mr. Richards used _____ sheets of paper.

7.

CHAPTER 11   PRETEST
Division (basic facts through 45 ÷ 5)

Divide.

	a	*b*	*c*	*d*	*e*
1.	2)‾6	2)‾12	2)‾18	2)‾4	2)‾10
2.	4)‾16	3)‾24	3)‾9	5)‾25	3)‾3
3.	1)‾4	1)‾8	1)‾16	4)‾36	1)‾27
4.	2)‾16	1)‾1	3)‾27	1)‾6	1)‾21
5.	1)‾12	5)‾20	2)‾14	4)‾8	1)‾14
6.	1)‾5	4)‾28	5)‾5	1)‾2	3)‾18

Solve each problem.

7. Paula has 18 books. She put them in piles of 3 books each. How many piles of books does she have?

She has _____ piles of books.

7.

8. Bart has 12 pennies. He put 3 pennies in each stack. How many stacks of pennies does he have?

He has _____ stacks of pennies.

8.

9. Dee has 12 pennies. She put 2 pennies in each stack. How many stacks of pennies does she have?

She has _____ stacks of pennies.

9.