Practice Set 30

Write your answers below or on another piece of paper.

Solve.

1. 4 * 80 = _____

2. 60 * 50 = _____

3. 20 * 7 = _____

4. 5 * 40 = _____

5. 70 * 60 = _____

6. 30 * 9 = _____

7. 80 * 20 = _____

8. 40 * 80 = _____

9. 60 * 6 = _____

10. 90 * 80 = _____

Find the missing factors.

11. 30 * _____ = 2,700

12. 90 * _____ = 450

13. 5 * _____ = 250

14. _____ * 2 = 120

15. 70 * _____ = 2,800

16. 30 * _____ = 600

17. _____ * 50 = 4,000

18. 80 * _____ = 640

Write the missing numbers.

19.

Rule

* 3

20.

Rule

* 4

Rule

+ 10

47
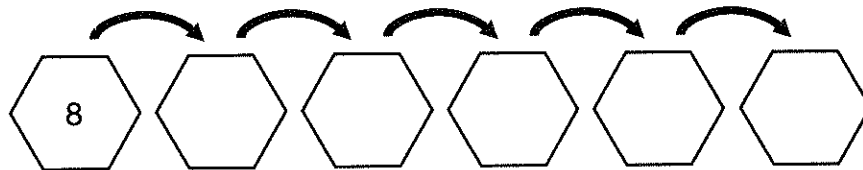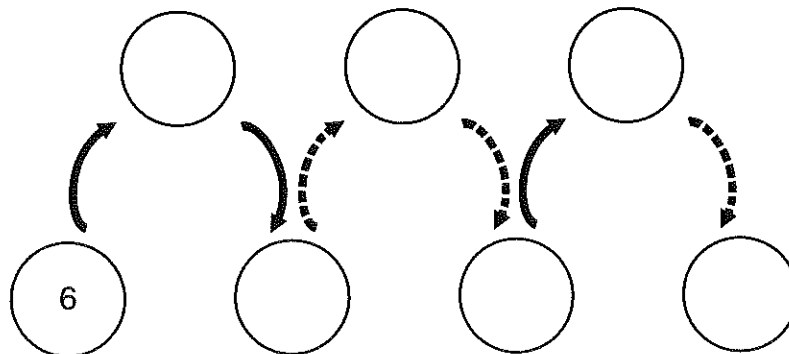
Practice Set 30 *continued*
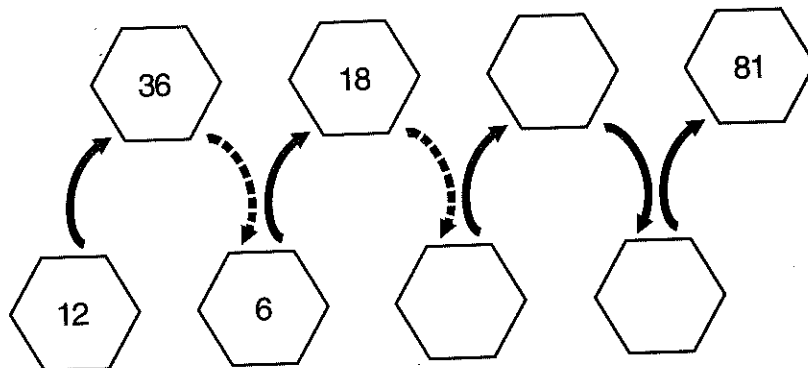
Use with or after
Lesson 5·2

SRB
4
160–161

Write your answers below or on another piece of paper.

21.

22. **Use the clues to complete the place-value puzzle.**

- Divide 60 by 12. Write the result in the ones place.

- Triple the number in the ones place and divide by 3. Write the result in the hundreds place.

- 4 is the square of ■. Write the result in the millions place.

- Halve the number in the millions place. Multiply by 6 and write the result in the thousands place.

- Multiply 3 by itself. Write the result in the tens place.

- Subtract the number in the ones place from the number in the thousands place. Write the result in the hundred-thousands place.

- Divide 42 by the number in the thousands place. Write the result in the ten-thousands place.

1,000,000s	100,000s	10,000s	1,000s	100s	10s	1s

42

Practice Set 31

Use with or after
Lesson 5·3

SRB
4 175
180–183

Write your answers below or on another piece of paper.

Estimate the sums using thousands and hundreds.

1.	2,860 1,452 +9,024	2.	1,010 1,345 +6,813	3.	5,272 2,470 +1,391	4.	7,280 6,109 +6,109

5.	3,554 7,490 6,708 +2,143	6.	9,656 1,970 6,213 +3,160	7.	2,843 7,154 1,041 2,630 +1,274	8.	6,590 4,483 3,217 1,670 +2,532

Solve.

9. You went to the store with a $10 bill and a $5 bill. Your groceries cost $12.36.

How much change should you get? _____

10. $\frac{20}{4} =$ _____

11. $\frac{36}{9} =$ _____

12. $7 * 7 =$ _____

13. $6 * 6 =$ _____

14. $9 * 80 =$ _____

15. $12 + 13 =$ _____

16. $41 - 25 =$ _____

17. $7 * 8 =$ _____

18. $5 * 6 =$ _____

19. $\frac{12}{12} =$ _____

20. $\frac{40}{10} =$ _____

21. $\frac{48}{6} =$ _____

Use digits to write the following numbers:

22. forty-five thousand, three hundred ninety-two

_____

23. four hundred fifty-nine thousand, seven hundred three

_____

49

Practice Set 32

Write your answers below or on another piece of paper.

Estimate the answer. Write a number model to show how you estimated.

1. There are 12 cans in each case. How many cans in 37 cases?

_____

2. A large can of peaches holds 112 ounces. How many ounces are in 6 cans?

_____

3. Ellen uses 1 gallon of lemonade to serve 22 people. How many people could she serve with 53 gallons of lemonade?

_____

Use the statements below to help you solve the problems.

- The average person throws away about 5 pounds of trash per day.
- One ton is equal to 2,000 pounds.
- There are about 300 million people in the United States.

4. How much trash does the average person throw away in one week?

_____

5. How much trash does the average person throw away in one year?

_____

6. About how many tons is that?

_____

7. About how many tons of trash does the average family of 4 throw away in one year?

_____

8. Does the population of the United States produce more or less than 10 million tons of trash per year?

_____

9. About how many tons of trash does the United States produce in one year?

_____

Write your answers below or on another piece of paper.

Make a name-collection box for each number listed below. Use as many different numbers and operations as you can.

Example

24
XXIV
48 ÷ 2
29 − 5
12 × 2

10.

15

11.

100

12.

54

13.

73

True or False?

Example   12 + 15 = 25 *(False)*
4 * (3 + 1) = 16 *(True)*

14. 7 * 9 = 54 _____

15. 3 * (4 + 5) = 27 _____

16. 5 * 6 = 40 _____

17. (99 + 13) = 103 _____

---

18. Use the clues to complete the place-value puzzle.

- Divide 18 by 6. Write the result in the ones place.
- Double the number in the ones place. Divide by 3. Write the result in the tens place.
- Write the result of 8 * 5 divided by 10 in the thousands place.
- Multiply 7 by 2. Subtract 7. Write the result in the hundreds place.

1,000s	100s	10s	1s

Name _____

Date _____ Time _____

Practice Set 33

Write your answers below or on another piece of paper.

Use partial products to multiply.

1. 47
  * 6

2. 89
  * 5

3. 27
  * 13

4. 36
  * 46

5. 90
  * 19

6. 23
  * 62

7. 159
  * 41

8. 613
  * 18

Solve.

9. $23 * 4 =$ _____

10. $18 \div 1 =$ _____

11. $54 + 36 =$ _____

12. $9 * 35 =$ _____

13. $180 / 10 =$ _____

14. $78 - 23 =$ _____

15. $50 * 60 =$ _____

16. $162 / 6 =$ _____

17. $48 - 12 =$ _____

Examine the data sets. Find the mean of each.

Example   7 6 5 9 8

Step 1 Find the total of the numbers in the data set.

$7 + 6 + 5 + 9 + 8 = 35$

Step 2 Count how many numbers are in the data set.

There are 5 numbers in all.

Step 3 Divide the total by the amount of numbers.

$\frac{35}{5} = 7$ Mean = 7

18. 5 8 8 11 7 9

19. 12 10 8 14 11

20. 3 2 3 1 6 4 2

21. 14 15 18 13

Practice Set 33 *continued*

Write your answers below or on another piece of paper.

Who am I?

22. Clue 1: I am less than 10.
  Clue 2: I am an even number.
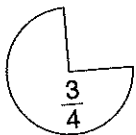 Clue 3: I am a square number.

  I am _____ .

23. Clue 1: I am less than 100.
  Clue 2: The sum of my digits is 17.
  Clue 3: I am an even number.

  I am _____ .

24. Clue 1: I am a number between 100 and 200.
  Clue 2: The sum of my digits is 3.
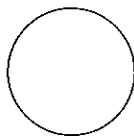 Clue 3: My ones digit is two times my hundreds digit.

  I am _____ .

25. The first figure is $\frac{3}{4}$ of the whole. What fraction of the whole is each of the other figures?

a. b. c.

$\frac{3}{4}$

_____   _____   _____

26. Write a number for each picture. Use 0 or $\frac{0}{4}$, $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, and $\frac{4}{4}$ or 1.
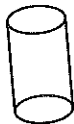
a. _____   b. _____
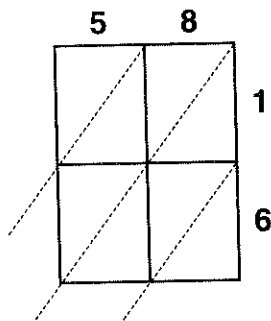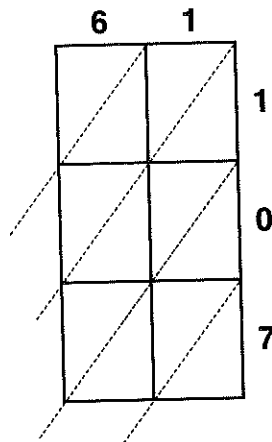
c. _____   d. _____   e. _____

53

Name _____ Date _____ Time _____

Write your answers below or on another piece of paper.

Use the lattice method to find the following products.

1. 58 * 16

```
    5       8
   ┌───────┬───────┐
   │   ╱   │   ╱   │ 1
   ├───────┼───────┤
   │   ╱   │   ╱   │ 6
   └───────┴───────┘
```

_____ , _____ _____ _____

2. 61 * 107

```
    6       1
   ┌───────┬───────┐
   │   ╱   │   ╱   │ 1
   ├───────┼───────┤
   │   ╱   │   ╱   │ 0
   ├───────┼───────┤
   │   ╱   │   ╱   │ 7
   └───────┴───────┘
```

_____ , _____ _____ _____

3. Use the clues to complete the place-value puzzle.

- Write the result of 36 − 28 in the thousands place.

- Multiply 6 * 3 and subtract 17. Write the result in the ones place.

- Triple the number in the thousands place and divide by 4. Write the result in the hundreds place.

- Subtract 3 from the result of 270 divided by 90. Write the result in the ten-thousands place.

- Divide 135 by 27. Write the result in the hundred-thousands place.

- Subtract the number in the hundred-thousands place from the number in the thousands place. Write the result in the tens place.

100,000s	10,000s	1,000s	100s	10s	1s

Practice Set 34 *continued*

Write your answers below or on another piece of paper.

Solve.

4. 326
$* 30$

5. 965
$- 86$

6. 541
$- 8$

7. 160
$+ 1,400$

8. 6,045
$+ 248$

9. 2,289
$+ 1,374$

10. 18
$* 11$

11. 4,371
$+ 8,148$

12. 890
$- 15$

13. $(70 + 15) * 4 = $ _____

14. $67 - (8 * 4) = $ _____

15. $430 + 70 + 145 = $ _____

16. $(72 / 8) * 3 = $ _____

17. Alice records her weight change every week. For the past three weeks she recorded $+ 3, -1,$ and $+ 2$ pounds. Can you tell how much she weighs? _____

_____

Rewrite the number sentences with parentheses to make them correct.

18. $412 = 70 * 5 + 1 - 8$

19. $6 * 10 - 5 = 55$

_____

_____

20. $81 = 7 + 2 * 9$

21. $39 - 16 - 4 = 19$

_____

_____

22. $44 - 13 + 23 = 8$

23. $8 * 5 + 2 * 18 = 76$

_____

_____

24. $135 = 9 * 9 + 6$

25. $4 * 3 + 7 * 6 = 240$

_____

_____

Name _____ Date _____ Time _____

Write your answers below or on another piece of paper.

Use digits to write the following numbers.

1. two million, seven hundred eighteen thousand, nine hundred twenty

_____

2. seven hundred sixty-nine thousand, two hundred thirty-one

_____

3. eighteen and nine hundred seventy-eight thousandths

_____

Write the words for the following numbers.

4. 18,564,290 _____

5. 48.128 _____

6. 5,773,963 _____

7. 102,756 _____

Write the amounts.

8. $1 Q Q Q Q Q Q Q D P P P P $ _____

9. $5 $1 $1 Q Q Q N N N N $ _____

10. $100 $20 $5 $5 $5 $1 $1 $ _____

11. Q Q Q Q Q Q D N N N P P $ _____

Practice Set 36

Write your answers below or on another piece of paper.

Write the numbers in order from least to greatest.

1. 10,000; 10^5; 10 * 10; 1 thousand

_____

2. 1 million; 10^4; 10 [hundreds]; 10 * 10 * 10 * 10 * 10

_____

3. 100,000; 10^2; 10 [thousands]; 10 * 10 * 10

_____

4. 10 [tenths]; 1 thousand; 10^5; 10 * 10

_____

_____

Solve.

5. 20 ÷ 4 = _____   **6.** 36 / 9 = _____   **7.** 12 ÷ 12 = _____   **8.** 40 ÷ 10 = _____

9. 48 ÷ 6 = _____   **10.** 8 / 4 = _____   **11.** 0 / 4 = _____   **12.** 18 ÷ 1 = _____

13. 12 ÷ 4 = _____   **14.** 24 / 8 = _____   **15.** 4 ÷ 8 = _____   **16.** 144 ÷ 12 = _____

Solve.

17.   35
    * 4

18.   62
    * 3

19.   265
    * 8

20.   43
  + 18

21.   710
  + 136

22.   500
 + 4,500

23.   3,249
 − 1,933

24. 1,865
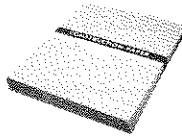 − 674

Name _____   Date _____   Time _____

Write your answers below or on another piece of paper.

Solve the following problems. (The prices include tax.)

Shoelaces
1 pair
$1.08

Construction Paper
1 pad
$0.89

Toothbrush
soft-bristle
$0.89

Gift Wrap
5 sq ft roll
$1.85

Audiotape
60 minutes
$1.67

Greeting Cards
box of 12
$4.20

25. Tom is going shopping. Each of his two children needs a pair of shoelaces, a toothbrush, and a pad of construction paper. Estimate to the nearest dollar how much money he will need.

_____

26. Brianna needs enough wrapping paper to cover her five presents. She has 6 dollars and she estimates that she will need three rolls. Does she have enough money? What is the difference between the amount of money she has and the amount she needs?

_____

_____

27. Joe and Ahmed are researching the 50-year history of their school. They need to buy enough audiotapes for an hour-and-a-half interview with the principal. How much money do they need?

_____

28. How much money does each of the greeting cards in the box of 12 cost?

_____