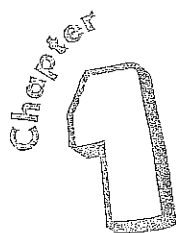


Name: _____

Date: _____



Place Value of Whole Numbers

Practice 1 Numbers to 100,000

Write each number in standard form.

Example

seventy-two thousand, four hundred sixty

72,460

1. seventy thousand, eight hundred twenty-three _____

2. sixty-two thousand, four hundred eighteen _____

3. ninety-seven thousand, four hundred _____

4. thirty thousand, eleven _____

Write each number in word form.

Example

56,548

fifty-six thousand, five hundred forty-eight

5. 12,021 _____

6. 70,009 _____

7. 40,807 _____

Count on and fill in the blanks.

8. 81,000 82,000 83,000 _____

9. 30,000 40,000 50,000 _____

10. 10,000 15,000 20,000 _____

Write the missing words and digits for each number.

Example

_____ two _____ thousand, five _____ hundred _____ twelve

2,51_____2

11. sixty-one thousand, _____ 1,001

12. twenty-four _____, three hundred ten 24,3_____0

13. forty-five thousand, _____ hundred six 4_____,206

14. thirty-six thousand, one hundred _____ 36,_____89

Make each 5-digit number using all the cards. Do not begin a number with '0'.

5

7

2

0

9

15. An odd number: _____

16. An even number: _____

17. A number with zero in the hundreds place: _____

18. A number beginning with the greatest digit: _____

19. A number with 2 in the tens place and 5 in the ones place: _____

20. A number ending with 7: _____

Name: _____

Date: _____

Practice 2 Numbers to 100,000

Complete.

In 71,486,

Example

the digit 7 is in the ten thousands place.

1. the digit 1 is in the _____ place.
2. the digit 4 is in the _____ place.
3. the digit 8 is in the _____ place.
4. the digit 6 is in the _____ place.

Find the value of each digit.

In 65,239,

Example

the digit 6 stands for 60,000.

5. the digit 5 stands for _____.
6. the digit 2 stands for _____.
7. the digit 3 stands for _____.
8. the digit 9 stands for _____.

Write each number using the clues.

9.

The value of the digit 1 is 100.

The value of the digit 5 is 50.

The value of the digit 3 is 3.

The value of the digit 4 is 40,000.

The value of the digit 2 is 2,000.



The number is _____.

10.

The digit 4 is in the hundreds place.

The digit 2 is in the ten thousands place.

The digit 9 is in the tens place.

The digit 0 is in the ones place.

The digit 5 is in the thousands place.



The number is _____.

Write the missing numbers and words.

Example

In 36,172,

the digit 2 stands for 2 ones.

the digit 6 is in the thousands place.

the digit in the ten thousands place is 3.

the value of the digit 7 is 70.

the digit 1 is in the hundreds place and its value is 100.

Name: _____

Date: _____

Write the missing numbers and words.

In 52,814,

11. the digit 4 stands for _____ ones.
12. the digit 1 is in the _____ place.
13. the digit in the ten thousands place is _____.
14. the value of the digit 8 is _____.
15. the digit _____ is in the thousands place and its value is _____.

Complete.

Example

$$38,295 = \underline{3} \text{ ten thousands} + 8 \text{ thousands} \\ + 2 \text{ hundreds} + 9 \text{ tens} + 5 \text{ ones}$$

16. $72,439 = 7 \text{ ten thousands} + \underline{\hspace{2cm}} \text{ thousands}$
 $+ 4 \text{ hundreds} + 3 \text{ tens} + 9 \text{ ones}$
17. $99,088 = 9 \text{ ten thousands} + 9 \text{ thousands}$
 $+ \underline{\hspace{2cm}} \text{ hundreds} + 8 \text{ tens} + 8 \text{ ones}$

Complete the expanded form.

Example

$$51,476 = 50,000 + \underline{1,000} + 400 + 70 + 6$$

18. $36,427 = 30,000 + \underline{\hspace{2cm}} + 400 + 20 + 7$

19. $17,503 = 10,000 + 7,000 + \underline{\hspace{2cm}} + 3$

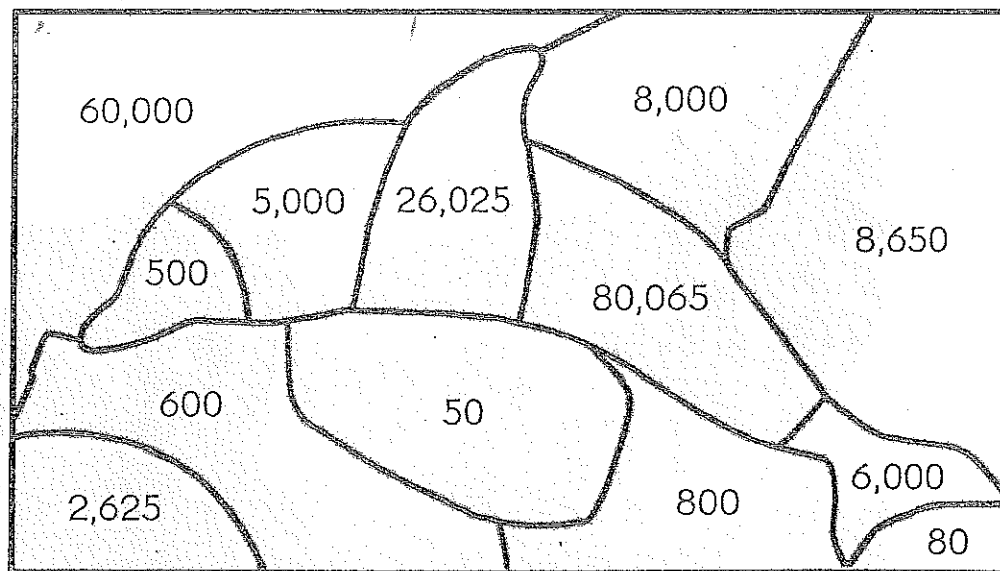
20. $45,080 = 40,000 + \underline{\hspace{2cm}} + 80$

21. $20,000 + 6,000 + 20 + 5 = \underline{\hspace{2cm}}$

22. $5 + 60 + 80,000 = \underline{\hspace{2cm}}$

Solve.

23. Color the puzzle pieces that show the answers in Exercises 18 to 22.



What is this picture?

Practice 3 Comparing Numbers to 100,000

Write $>$ or $<$ in each \bigcirc .

Example

15,408 $>$ 12,508

$>$ means greater than.

$<$ means less than.



1. 63,809 \bigcirc 36,908

2. 86,415 \bigcirc 86,591

3. 45,638 \bigcirc 8,594

4. 60,960 \bigcirc 69,999

Compare the eight numbers in Exercises 1 to 4.

5. Which number is the greatest? _____

6. Which number is the least? _____

Order these numbers.

Example

Begin with the least:

52,081 63,456 51,125

51,125 52,081 63,456

Begin with the greatest:

76,332 74,236 81,152

81,152 76,332 74,236

Order these numbers.

7. Begin with the least:

97,136 79,631 96,137

8. Begin with the greatest:

80,000 9,469 81,074

Write the missing numbers.

Example

1,000 more than 82,586 is 83,586.

17,312 is 40,000 less than 57,312.

9. 10,000 more than 56,821 is _____.
10. _____ is 50,000 less than 79,895.
11. 2,000 less than 18,563 is _____.
12. _____ is 3,000 more than 48,200.

Name: _____

Date: _____

Fill in the blanks.

21. $23,485 = 2 \text{ ten thousands} + \underline{\hspace{2cm}} \text{ thousands} +$
 $\underline{\hspace{2cm}} \text{ hundreds} + 8 \text{ tens} + 5 \text{ ones}$

22. $72,586 = \underline{\hspace{2cm}} \text{ ten thousands} + 2 \text{ thousands} +$
 $5 \text{ hundreds} + \underline{\hspace{2cm}} \text{ tens} + \underline{\hspace{2cm}} \text{ ones}$

23. $20,000 + 4,000 + 700 + 8 = 2 \underline{\hspace{2cm}} + 4 \underline{\hspace{2cm}} +$
 $7 \underline{\hspace{2cm}} + \underline{\hspace{2cm}} \text{ ones}$

24. $90,000 + 800 + 50 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + 5 \underline{\hspace{2cm}}$

Write each number in expanded form by completing the number sentence.

25. $24,329 = \underline{\hspace{2cm}} + 4,000 + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + 9$

26. $37,486 = 30,000 + \underline{\hspace{2cm}} + 400 + \underline{\hspace{2cm}} + 6$

27. $42,635 = 40,000 + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + 5$


28. $56,666 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + 600 + \underline{\hspace{2cm}} + 6$


29. $99,854 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} +$
 $\underline{\hspace{2cm}} + 4$


Name: _____


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Lesson 1.2 Comparing Numbers to 100,000

Write $>$ or $<$ in each .

1. 78,309  78,093

2. 39,807  39,870

3. 87,930  89,730

4. 98,730  98,073

Compare these numbers.

26,653

60,002

91,111

80,888

5. Write the least number. _____

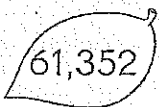
6. Write the greatest number. _____

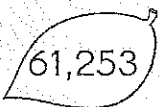
7. Write the greatest odd number. _____

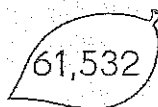
8. Write the least even number. _____

Order these numbers.

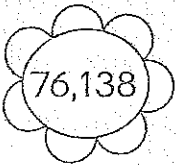
9. Begin with the least:

 61,352

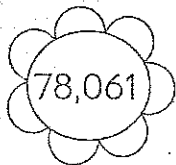
 61,253

 61,532

10. Begin with the greatest:

 76,138

 78,631

 78,061

Name: _____

Date: _____

Cumulative Review

for Chapters 1 and 2

Concepts and Skills

Write each number in standard form. (Lesson 1.1)

1. forty-eight thousand, six _____
2. one hundred thousand _____
3. sixty-nine thousand, two hundred eleven _____

Write each number in word form. (Lesson 1.1)

4. 53,900 _____
5. 16,658 _____
6. 20,306 _____

Fill in the blank to write the number in expanded form. (Lesson 1.1)

7. $13,901 = 10,000 + \underline{\hspace{2cm}} + 900 + 1$

Fill in the blanks. (Lesson 1.2)

8. 100 more than 26,542 is _____.
9. _____ is 100 less than 79,023.

Circle the number that is greater. (Lesson 1.2)

10. 12,630 or 6,238

11. 45,200 or 45,496

12. 62,529 or 69,522

13. 90,236 or 87,415

Circle the number that is less. (Lesson 1.2)

14. 6,563 or 48,200

15. 67,186 or 67,254

16. 74,258 or 71,852

17. 96,125 or 69,521

Write the set of numbers in order from least to greatest. (Lesson 1.2)

18. 8,654 56,207 68,543 56,719

Continue or complete each number pattern. (Lesson 1.2)

19. 11,500 11,000 10,500 _____

20. 63,800 64,100 64,400 _____

21. 27,852 29,853 _____ 33,855 35,856

Find each sum or difference. Then use rounding to check that your answers are reasonable. (Lesson 2.1)

22. $522 - 389$

23. $456 + 790$

Name: _____

Date: _____

Multiply. Then estimate to check that your answers are reasonable.

$$\begin{array}{r} 19. \quad \quad 3 \quad 9 \quad 2 \\ \times \quad \quad 3 \quad 0 \\ \hline \end{array}$$

$$\begin{array}{r} 20. \quad \quad 4 \quad 3 \quad 9 \\ \times \quad \quad 7 \quad 2 \\ \hline \end{array}$$

$$\begin{array}{r} 21. \quad \quad 7 \quad 3 \quad 4 \\ \times \quad \quad 8 \quad 6 \\ \hline \end{array}$$

$$\begin{array}{r} 22. \quad \quad 8 \quad 5 \quad 6 \\ \times \quad \quad 9 \quad 4 \\ \hline \end{array}$$

Name: _____

Date: _____

Multiply. Then estimate to check that your answers are reasonable.

15. 9 8
 × 7 6
 ———

16. 5 4
 × 9 7
 ———

17. 3 6 4
 × 2 9
 ———

18. 5 2 8
 × 4 6
 ———

Name: _____

Date: _____

Divide.

3. $2 \overline{) 728}$

4. $3 \overline{) 735}$

5. $4 \overline{) 948}$

6. $5 \overline{) 930}$

7. $6 \overline{) 654}$

8. $7 \overline{) 973}$

9. $8 \overline{) 984}$

10. $9 \overline{) 954}$

Name: _____

Date: _____

Divide.

8. $4 \overline{) 5,052}$

9. $6 \overline{) 6,078}$

10. $7 \overline{) 1,988}$

11. $9 \overline{) 5,058}$

12. $8 \overline{) 3,976}$

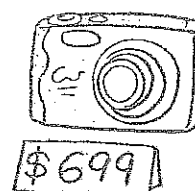
13. $5 \overline{) 4,840}$

Name: _____

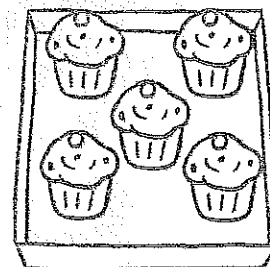
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Lesson 3.5 Real-World Problems: Multiplication and Division

1. A digital camera costs \$699. A retailer sells 38 cameras. How much does he collect altogether?



2. A bakery sells 369 banana muffins each day. It sells 4 times as many blueberry muffins as banana muffins each day. How many blueberry muffins are sold every day?



Name: _____

Date: _____

3. A factory produces 1,899 toy cars each day. How many toy cars does it produce in 7 days?

4. Ms. Marquez divides 3,438 beads equally among 6 groups of students for a crafts project. How many beads does each group have?

Name: _____

Date: _____

5. 2,255 stamps are divided equally among 6 post offices.

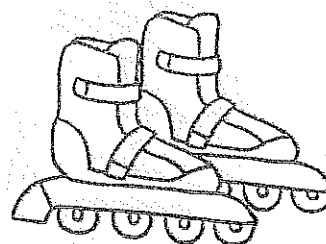
a. How many stamps does each post office receive?

b. How many stamps are left over?

6. Each pair of in-line skates costs \$56.

a. How much does a store have to pay for 39 pairs of in-line skates?

b. A store sells each pair of in-line skates for \$72. What is the profit that the store makes on the 39 pairs of in-line skates?

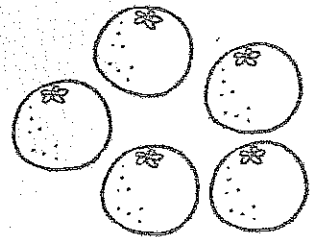


Name: _____

Date: _____

7. Hannah gave \$68 to charity. Hannah's mother gave 25 times as much as Hannah. How much did they give altogether?

8. A fruit seller has 2,400 oranges. He throws away 15 rotten oranges and packs the remainder equally into 9 boxes. How many oranges are in each box?



Name: _____

Date: _____

9. There are 4 times as many children as adults at a theater.
There are 475 adults. How many people are at the theater altogether?

10. A nature club has 37 members. Each member receives 15 fish to put into an aquarium. If 20 of the total number of fish are put into a fishbowl instead, how many fish are put into the aquarium?

Name: _____

Date: _____

11. Mr. Joseph's salary is \$3,650. He spends \$1,610 on rent. He divides the rest of his salary into 3 parts for his other monthly expenses. How much money is in each part?
12. Diana mixes 1,543 milliliters of orange concentrate with 932 milliliters of water to make orange juice. She then pours the mixture equally into 9 glasses. How much orange juice is in each glass?

Name _____

Date _____



GET THE PRODUCT DICE GAME

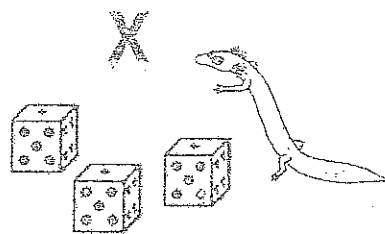
Age range: 3rd Grade +

Number of players: 2

Learning: multiply by numbers 1 to 6

You will need

- 3 dice
- Some pieces of paper



Instructions

- Player 1 throws all three dice secretly without Player 2 seeing them.
- Player 1 then secretly writes the numbers on the dice down on a piece of paper and multiplies them all together.
- Player 1 then tells their answer to Player 2.
- Player 2 has to work out the numbers on the dice from Player 1's answer. When Player 2 thinks they have worked out the correct numbers on the dice, the dice rolls are shown to Player 2.
- How to score:
 - o If Player 2 got the correct numbers on the 3 dice, then they score 10 points.
 - o If Player 2 got the wrong numbers on the dice but the numbers multiply together to make the correct product, then Player 2 scores 5 points.
 - o If Player 2 made a mistake with their multiplication, they score 0 points.
 - o If Player 1 made a mistake with their multiplication, Player 2 gets 10 points (unless Player 2 also made a mistake).
- Now Player 2 rolls the 3 dice secretly and multiplies all the numbers together, and it is Player 1's turn to guess.
- The winner is the first player to reach 100 points.

Example 1: Player 1 rolls a 2, 4 and a 5, and then multiplies them all together to make an answer of 40. Player 1 then tells their answer to Player 2 who guesses Player 1 rolled a 2, 4 and a 5. Player 2 is correct and scores 10 points.

Example 2: Player 1 rolls a 2, 3 and 4, and then multiplies them together to make an answer of 24. Player 2 guesses that Player 1 rolled a 1, 4 and a 6. Player 2 has the wrong numbers, but the right product, so scores 5 points.

Variations

- Playing with 2 dice makes this game much easier.
- Playing this game with 4 dice makes this game harder.
- Try playing with 8 or 10 sided dice makes the game harder and brings in different math facts to use.
- You can invent your own scoring system to go with the game.

Practice your
math facts!!
Try this game,
use math games
on the web,
try to stump
your parents!