

Summer Word Problems

Use addition, subtraction, multiplication or division to solve the following word problems.

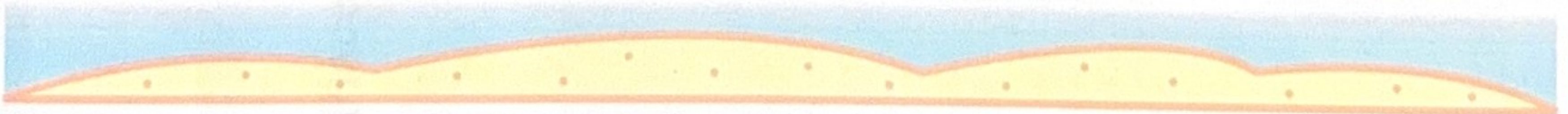
1. Kim invites 12 of her friends to a backyard BBQ. If she plans for each person to eat 3 hot dogs, how many hot dogs must she buy?

2. The Johnson family is taking a vacation in Southern California. They plan to spend 3 days in Los Angeles, 2 days in San Diego and 4 days in Santa Barbara. How many days will they spend on vacation?

3. Stan and Lisa visit the county fair. If they wait in line for 15 minutes to ride each attraction, how many attractions can they ride in 4 hours?

4. Allen attended his first baseball game last summer. If the 9-inning game lasted 3 hours, what was the average amount of time each inning lasted?

5. Gina builds 24 sand castles at the beach. If a wave knocks down 13 of them, how many sand castles are left?



- Place Value

Thousands period				Ones period	
hundred thousands	ten thousands	thousands	hundreds	tens	ones
1	5	7,	1	0	3

A **period** is a group of 3 digits in a number, starting from the right. Two periods are separated by a comma.

standard form:

157,103

expanded form:

$100,000 + 50,000 + 7,000 + 100 + 3$

word form:

one hundred fifty-seven thousand, one hundred three

What is the place and value of each underlined digit?

4,156

2,103

987

8,612

315,276

➤ Standard Form:

➤ Word Form:

➤ Expanded form:

Place-Value Patterns

- Write the numbers in words.

- a) 10,293
- b) 27,611
- c) 79,108
- d) 96,037



10 ones = 1 ten



10 tens = 1 hundred



10 hundreds = 1 thousand

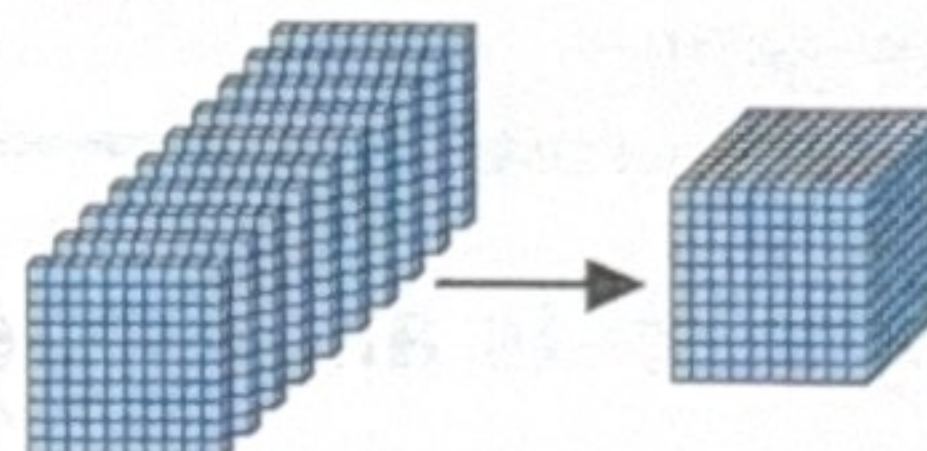
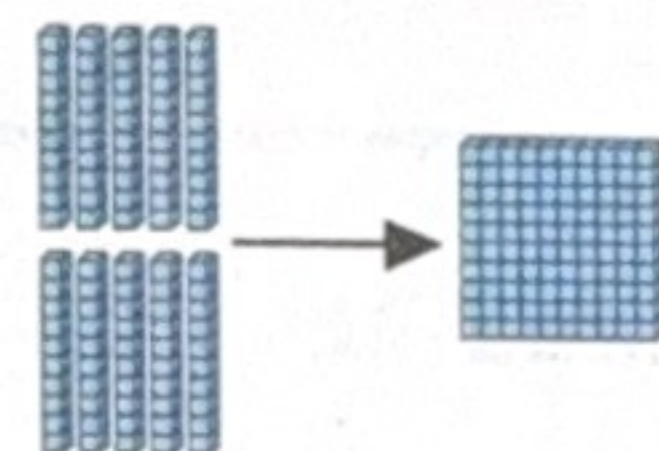
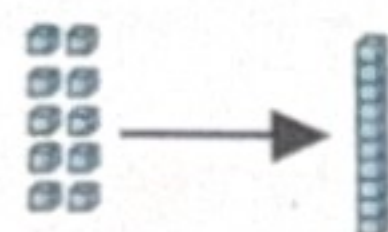
- Write the numbers in numerals.

- a) Thirteen thousand, five hundred and ninety-one:
- b) Twenty-one thousand, two hundred and eight:
- c) Sixty-six thousand and fourteen:
- d) Fifty thousand, eight hundred and twenty-seven:

Place-Value Patterns

Fill in the blanks with the correct answers.

a) 23 tens =



b) 85 tens 1 one =

10 ones = 1 ten

10 tens = 1 hundred

10 hundreds = 1 thousand

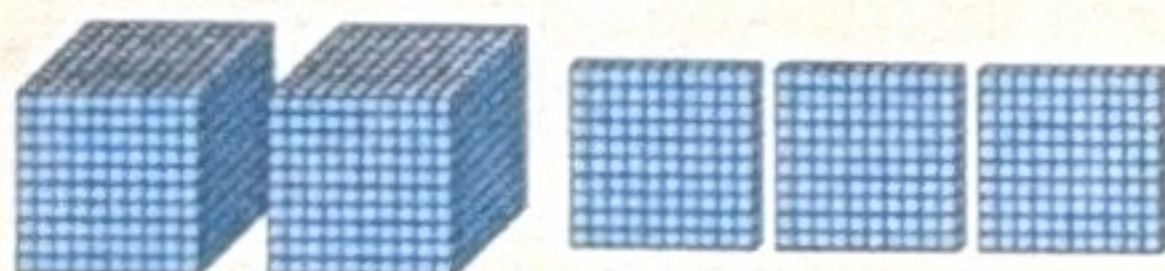
Example A

Name 2,300 in two different ways.

What You **Show**

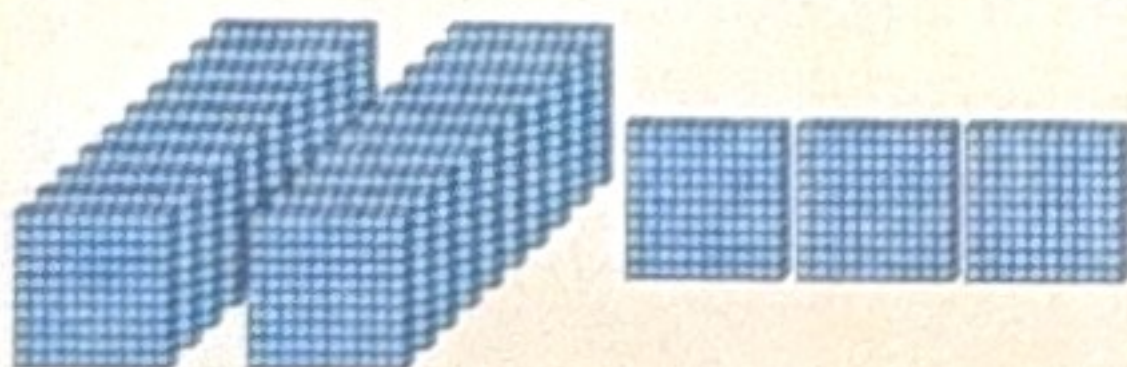
What You **Say**

One Way



two thousand,
three hundred

Another Way



twenty-three
hundreds

Example B

Write 520 in two different ways.

520 five hundred twenty or **520** fifty-two tens

Find the missing numbers.
Fill in the blanks with the correct answers.

a) 23 tens =

3	12

7	28
14	9

6	A
12	B

b) 85 tens 1 one =

c) 7 thousands 13 tens =

4	11
1	8

8	6
9	A

10	6
B	12

d) 11 hundreds 12 tens =

Find the missing numbers.

(a)

3	12
11	6

7	28
14	9

6	A
12	B

(b)

4	11
1	8

8	6
9	A

10	6
B	12

Fill in the missing number in each pattern.

a) 1 1 2 3 5 _____

b) 3 5 9 15 23 _____

c) 1 3 6 10 _____ 21 28

d) 0 3 8 15 _____ 35 48

Exercise

I am a 3-digit number between 700 and 1000. If the 3 digits are added together, the answer is 10. The digit in the tens place stands for 20. The digit in the ones place is 1 less than the digit in the tens place.

I am the number _____.

Ordering Numbers

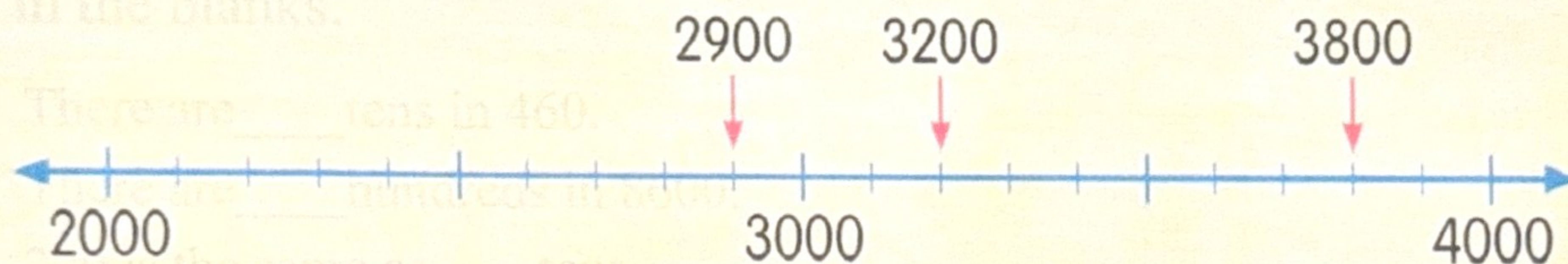
Exercise

I am a 4-digit number between 6400 and 6900. The digit in the hundreds place is 3 more than the digit in the ones place. The digit in the ones place is 5 less than the digit in the tens place. The digit in the tens place is the greatest 1-digit number.

I am the number _____.

- Ordering Numbers

Fill in the blanks.



Compare 3800, 2900 and 3200. Arrange the numbers from the smallest to the greatest.

Fill in the blanks using the following digits.

Fill in the blanks.

- a) There are _____ tens in 460.
- b) There are _____ hundreds in 8600.
- c) 220 is the same as _____ tens.
- d) 5 tens more than 750 is _____.
- e) 2 hundreds less than 7033 is _____.
- f) 5260 is _____ more than 5000.
- g) 4123 is _____ less than 4153.
- h) 7066 is 100 more than _____.
- i) 3294 is 500 less than _____.
- j) The number that is 6 hundreds more than 2054 is _____.
- k) The number that is 4 thousands 4 tens less than 9182 is _____.

Fill in the blanks using the following digits.

What is the second greatest 4-digit number that can be formed
from all the digits: 9, 7, 6, 3?

0
8 4

- a) The greatest 4-digit even number is _____.
- b) The smallest 4-digit odd number is _____.
- c) The greatest 3-digit even number is _____.
- d) The smallest 3-digit odd number is _____.

What is the second greatest 4-digit number that can be formed from all the digits: 9, 4, 6, 3?

3, 3, 9, 4, 7, 4

Use four of the digits in the box to form the smallest 4-digit number.

3, 5, 9, 1, 7, 4

Use four of the digits in the box to form the greatest 4-digit number.

2, 7, 0, 4, 8, 6

I am the number _____

There are three numbers: 407, 728, 459.

I am a 4-digit number. If the digits in the thousands place and hundreds place are added together, the answer is 8. If all the digits are added together, the answer is 20. The digits in the ones place and thousands place are the same. The digit in the hundreds place is the smallest 1-digit number.

4 hundreds.

I am the number _____.

Arrange the steps in the correct order:

There are three numbers: 407, 728, 459.

The four steps below are what Sally uses when she tries to compare and order these numbers.

A: I compare the tens values of the other two numbers.

B: I compare the hundreds values of the three numbers.

C: I can see that 728 has 7 hundreds So it is the greatest number. I can see that the other two numbers have the same number of hundreds, 4 hundreds.

D: I can see that 407 is the smallest number as it has 0 tens.

Arrange the steps in the correct order:

- **Age Problem**, the age of Patrick's mother was 4 times his age. How old is Patrick now if his mother is 44 years old?
- Kevin is 8 years old. His father is 34 years old. In how many years' time will his father's age be three times Kevin's age?

Four years ago, the age of Patrick's mother was 4 times his age. How old is Patrick now if his mother is 44 years old?

Working Backwards

Julie is 25 years younger than her mother. Her mother's age is 6 times her age. How old is each of them?

- Working Backwards

Heather spent \$4 on a storybook. She used half of the remaining money to buy 6 apples. She bought a hair clip that cost \$2.

(a) $A \xrightarrow{+6} \boxed{} \xrightarrow{\times 3} \boxed{} \xrightarrow{-5} \boxed{22}$

(b) $B \xrightarrow{+3} \boxed{} \xrightarrow{\times 3} \boxed{} \xrightarrow{\div 3} \boxed{} \xrightarrow{-3} \boxed{3}$

Heather spent \$4 on a storybook. She used half of the remaining money to buy 6 apples. She was left with \$4 after buying a hair clip that cost \$2.

How much did Heather have at first?