

April 13  
Easter Monday

April 14-17

April 13th

## Classroom Practice 70

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## GRAMMAR

- **Exercise 1:** Classify each sentence. Use these labels: SN SP V Adv Adj A P OP PP.  
Underline the complete subject one time. Underline the complete predicate two times.

1. Ray came to our house yesterday.
2. We looked eagerly at the new truck.

- **Exercise 2:** Use Sentence 1 above to complete the chart below.

List the noun	Tell how it is used	Is it singular or plural?	Is it common or proper?

## SKILLS

- **Exercise 3:** Unscramble this sentence to match the labels below. **five ran barn to the cats**

\_\_\_\_\_

Adj                      SN                      V                      P                      A                      OP

- **Exercise 4:** For each underlined verb, write a 1 for present tense, a 2 for past tense, or a 3 for future tense. Use Reference 84 to help you with irregular verbs.

Verb Tense	Regular Verbs	Verb Tense	Irregular Verbs
	1. We always <u>wave</u> at the train.		4. Mother <u>will ring</u> the bell.
	2. They <u>waved</u> to their friends.		5. The phone <u>rings</u> loudly.
	3. The baby <u>will wave</u> goodbye.		6. The bell <u>rang</u> for school.

## EDITING

- **Exercise 5:** On writing paper, write the sentence correctly. Use correct capitalization and punctuation.

does ray live in valley springs

Name \_\_\_\_\_

**Study the rule. Then write each word, dividing it into syllables.**

**RULE**

When two or more consonants come between two vowels in a word, the word is usually divided between the first two consonants.

**hun-gry**

1. picture \_\_\_\_\_
2. pencil \_\_\_\_\_
3. confess \_\_\_\_\_
4. goblin \_\_\_\_\_
5. forgave \_\_\_\_\_
6. basket \_\_\_\_\_
7. admire \_\_\_\_\_
8. princess \_\_\_\_\_
9. complete \_\_\_\_\_
10. mistake \_\_\_\_\_
11. candy \_\_\_\_\_
12. harbor \_\_\_\_\_
13. plenty \_\_\_\_\_
14. children \_\_\_\_\_
15. pilgrim \_\_\_\_\_
16. sudden \_\_\_\_\_

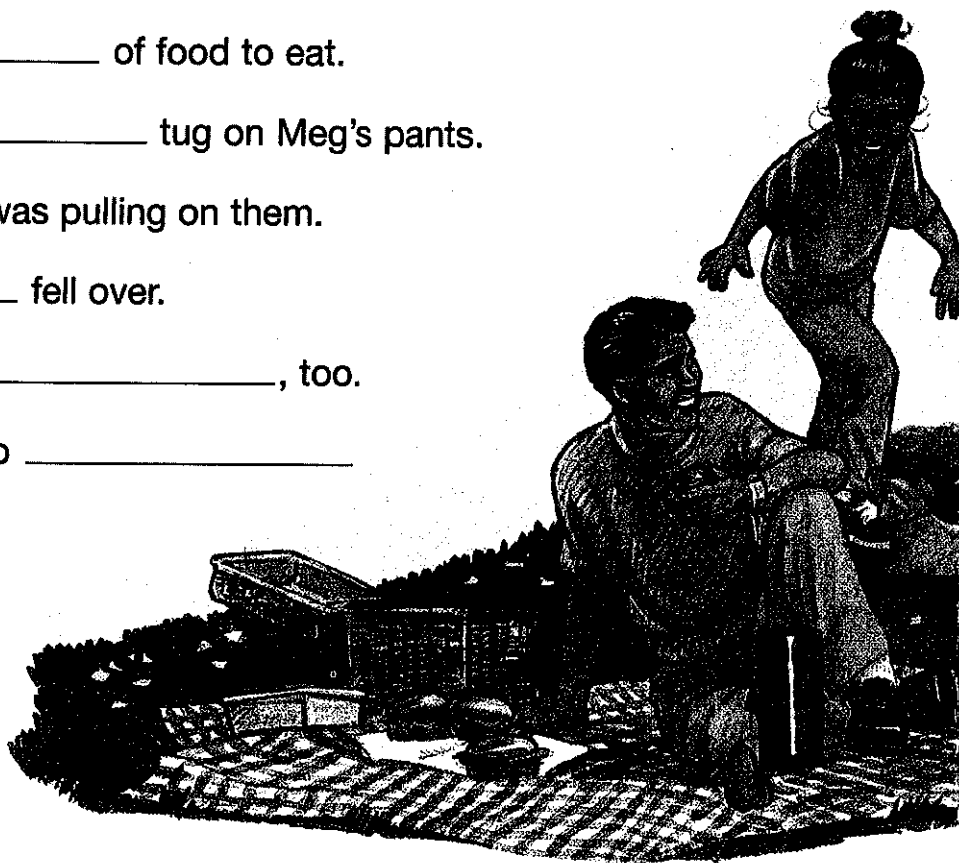
17. number \_\_\_\_\_
18. silver \_\_\_\_\_
19. Kansas \_\_\_\_\_
20. master \_\_\_\_\_
21. finger \_\_\_\_\_
22. invite \_\_\_\_\_
23. kidnap \_\_\_\_\_
24. doctor \_\_\_\_\_
25. riddle \_\_\_\_\_
26. almost \_\_\_\_\_
27. chapter \_\_\_\_\_
28. surprise \_\_\_\_\_
29. dictate \_\_\_\_\_
30. butter \_\_\_\_\_
31. window \_\_\_\_\_
32. problem \_\_\_\_\_

Write each word, dividing it into syllables.

- |                  |                  |
|------------------|------------------|
| 1. magnet _____  | 7. circus _____  |
| 2. sudden _____  | 8. confess _____ |
| 3. blanket _____ | 9. picnic _____  |
| 4. plenty _____  | 10. almost _____ |
| 5. invite _____  | 11. puppy _____  |
| 6. hungry _____  | 12. bottom _____ |

Read each sentence. Choose one of the words from above to complete the sentence. Write it on the line.

13. Dad and Meg took a delicious \_\_\_\_\_ to the park.
14. They laid the food on a \_\_\_\_\_.
15. They had \_\_\_\_\_ of food to eat.
16. There was a \_\_\_\_\_ tug on Meg's pants.
17. A \_\_\_\_\_ was pulling on them.
18. Meg \_\_\_\_\_ fell over.
19. The puppy was very \_\_\_\_\_, too.
20. Meg and Dad decided to \_\_\_\_\_ it to lunch.



# Foundations for Multiplication

## CHAPTER

# 10

Take a deep breath. Did you know that trees help clean the air you breathe? Trees are beautiful, and they are helpful too. They improve water quality and help control flooding. They provide fruit and shade. Many kinds of animals use trees as their homes.

### Types of Trees

- ◆ The leaves of deciduous trees come in many sizes and shapes. They change colors in different seasons.
- ◆ The narrow, needle-like leaves of coniferous trees stay green all year.

### Clues to the Past

- ◆ As scientists study the ages of trees, they learn about how weather makes changes on earth.
- ◆ Find out how scientists can calculate the ages of trees without cutting them down.

## Dear Family,

In this chapter, we will be learning about odd and even numbers and using arrays.

Here are the key **Math Words** for this chapter:

**even**

**row**

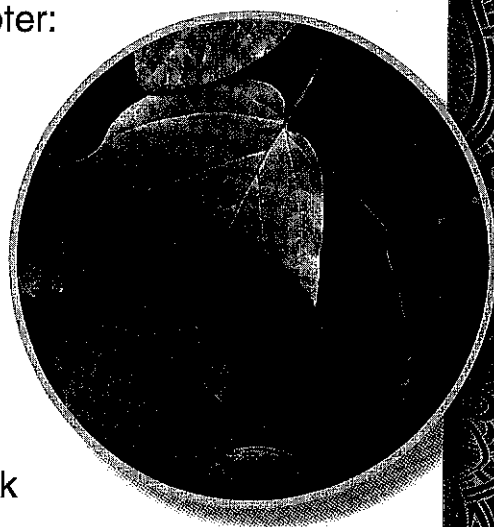
**odd**

**column**

**equal addends**

**equation**

**array**



You can use the glossary to find the definition of each word and help your child make flash cards to study each day we work on the lessons for this chapter.

During this chapter we will also be making STEAM (Science, Technology, Engineering, the Arts, and Mathematics) connections about numbers in nature. Read the opening to the chapter together.

### Keep Your Skills Sharp

Here is a **Keep Your Skills Sharp** activity to do at home to prepare for this chapter.

Have your child find pairs of objects, such as socks, forks and spoons, or bowls and plates, when folding laundry or setting the table. Discuss pairs and ask whether or not each object is part of a pair. Help your child describe the number of socks, or place settings at the table, as being odd or even.

Name \_\_\_\_\_

# Odd and Even Numbers

Emma picks 7 carrots and 6 tomatoes. Does she pick an odd or an even number of each food?

To find out if the number of each type of food is odd or even, you can count by 2s or make pairs.

If there is 1 left over, the number is odd.

If there is nothing left over, the number is even.

## Objective

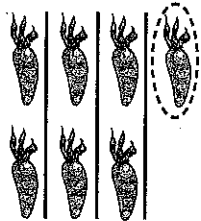
Count objects by 2s, or pair objects, to decide if a number is odd or even.

## Math Words

odd

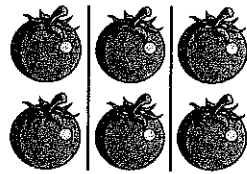
even

### Count by 2s



2 4 6

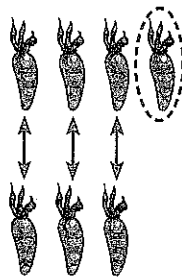
There is 1 left over.



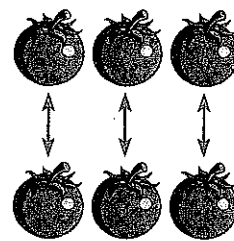
2 4 6

Nothing is left over.

### Make Pairs



There is 1 left over.



Nothing is left over.

Emma picks an odd number of carrots and an even number of tomatoes.

## PRACTICE

Circle *even* or *odd*.

1. Count by 2s.

Is 8 even or odd?



even

odd

\_\_\_\_\_

2. Make pairs.

Is 11 even or odd?



even

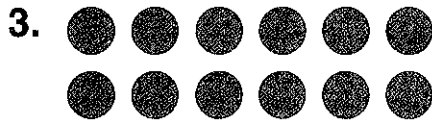
odd





## PRACTICE

Make pairs or count by 2s. Write *even* or *odd*.



12 \_\_\_\_\_



9 \_\_\_\_\_



13 \_\_\_\_\_



10 \_\_\_\_\_

## Problem Solving

7. Joel says that 14 is an odd number because when he puts 14 objects in pairs there are 2 left over. Is Joel correct? Explain.

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## Write About It

8. Abigail picks an odd number of red plums and an odd number of purple plums. Is the total number of plums odd or even? Explain how you know.

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Name \_\_\_\_\_

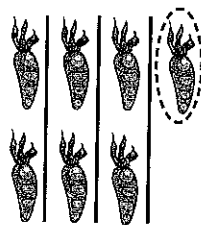
# Odd and Even Numbers

To tell if a number is odd or even, count by 2s or make pairs.

If there is 1 left over, the number is odd.

If there is nothing left over, the number is even.

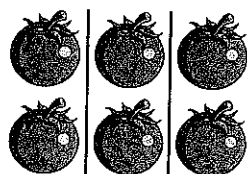
## Count by 2s



2 4 6

There is 1 left over.

7 is odd.

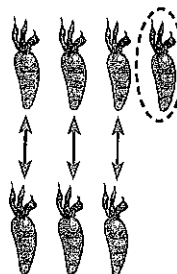


2 4 6

Nothing is left over.

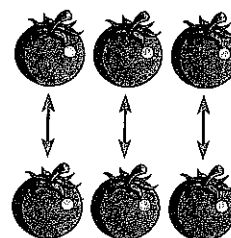
6 is even.

## Make Pairs



There is 1 left over.

7 is odd.



Nothing is left over.

6 is even.

## MORE PRACTICE

### Circle *even* or *odd*.

1. Count by 2s.

Is 9 even or odd?



even



odd

\_\_\_\_\_

2. Make pairs.

Is 12 even or odd?



even



odd

## HOMEWORK

Count by 2s or make pairs. Write *even* or *odd*.



8 \_\_\_\_\_



13 \_\_\_\_\_



14 \_\_\_\_\_



11 \_\_\_\_\_

## Problem Solving

5. Jeremy is thinking of a two-digit number.  
The number is even. It is greater than 16.  
There is a 1 in the tens place.  
What is Jeremy's number?  
Draw counters to show the number  
counting by 2s or making pairs.

Jeremy's number is \_\_\_\_\_.

## Write About It

6. Explain how counting by 2s and making pairs are alike.

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April 14th

## Classroom Practice 71

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## GRAMMAR

- **Exercise 1:** Classify each sentence. Use these labels: SN SP V Adv Adj A P OP PP.  
Underline the complete subject one time. Underline the complete predicate two times.

1. The wild elephants swam across the river.

2. Ray talked on the phone after dinner.

- **Exercise 2:** Use Sentence 1 above to complete the chart below.

List the noun.	Tell how it is used.	Is it singular or plural?	Is it common or proper?

## SKILLS

- **Exercise 3:** Unscramble this sentence to match the labels below. **ran the away dog big**

A

Adj

SN

V

Adv

- **Exercise 4:** For each underlined verb, write a 1 for present tense, a 2 for past tense, or a 3 for future tense. Use Reference 84 to help you with irregular verbs.

Verb Tense	Regular Verbs	Verb Tense	Irregular Verbs
	1. I <u>will call</u> you tonight.		4. He <u>flies</u> a plane.
	2. Your mother <u>called</u> our house.		5. Birds <u>flew</u> above the trees.
	3. My aunt <u>calls</u> me on my birthday.		6. My father <u>will fly</u> home soon.

## EDITING

- **Exercise 5:** On writing paper, write the sentence correctly. Use correct capitalization and punctuation.

mom will shop for food on saturday

Name \_\_\_\_\_

Read the rule. Then write each word, dividing it into syllables.

**RULE**  
When a single consonant comes between two vowels in a word, the word is usually divided after the consonant if the first vowel is short.

lem-on

1. robin \_\_\_\_\_

2. cabin \_\_\_\_\_

3. figure \_\_\_\_\_

4. wagon \_\_\_\_\_

5. travel \_\_\_\_\_

6. palace \_\_\_\_\_

7. statue \_\_\_\_\_

8. finish \_\_\_\_\_

9. river \_\_\_\_\_

10. clever \_\_\_\_\_

11. cover \_\_\_\_\_

12. visit \_\_\_\_\_

13. shadow \_\_\_\_\_

14. model \_\_\_\_\_

15. dozen \_\_\_\_\_

Write a paragraph that tells about the picture. Try to use some of the words in numbers 1–15.

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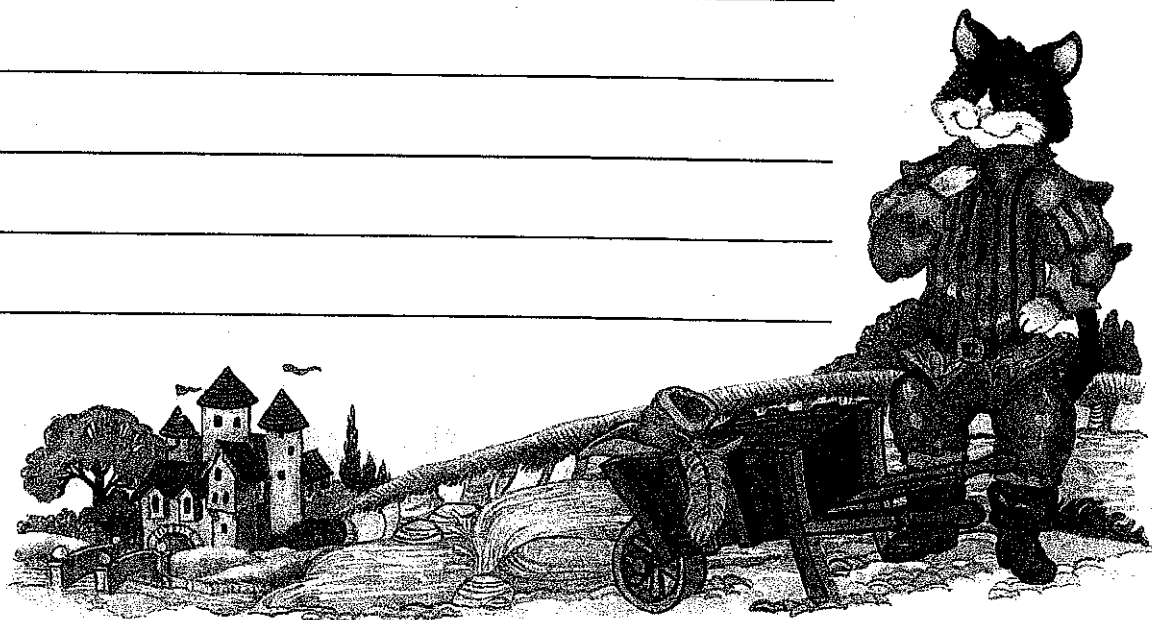
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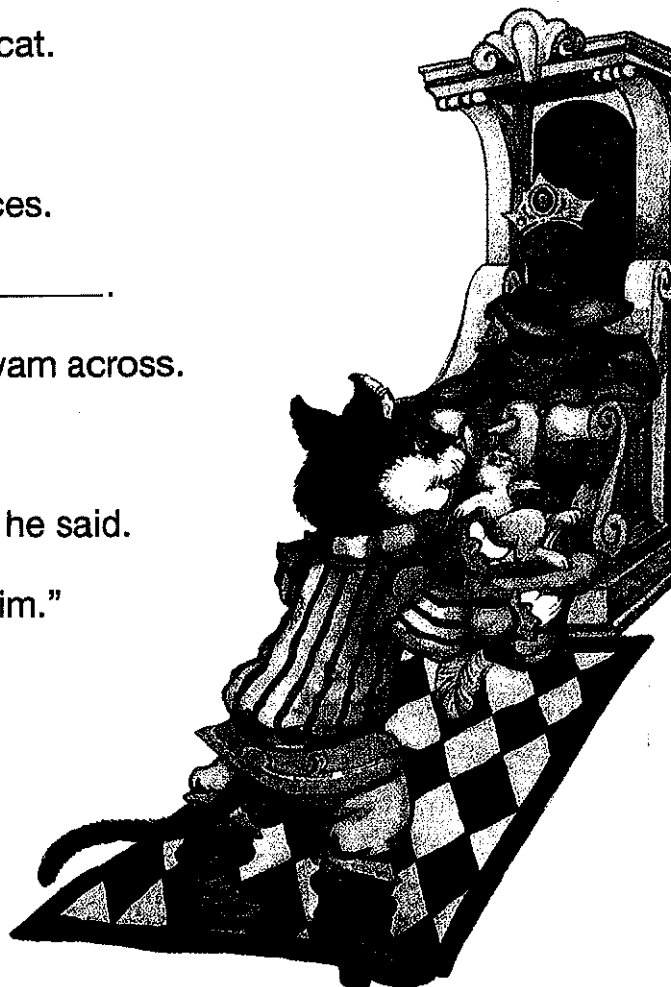


Write each word, dividing it into syllables.

- |                 |                  |
|-----------------|------------------|
| 1. cabin _____  | 6. palace _____  |
| 2. travel _____ | 7. ever _____    |
| 3. magic _____  | 8. river _____   |
| 4. visit _____  | 9. wagon _____   |
| 5. figure _____ | 10. clever _____ |

Read each sentence. Choose one of the words in numbers 1–10 to complete the sentence. Write it on the line.

11. There once lived a very \_\_\_\_\_ cat.
12. He lived in a tiny log \_\_\_\_\_.
13. He liked to \_\_\_\_\_ to many places.
14. One day he set off with his red \_\_\_\_\_.
15. When he got to a \_\_\_\_\_, he swam across.
16. He came to the royal \_\_\_\_\_.
17. "I think I shall \_\_\_\_\_ the king," he said.
18. "I'll do some \_\_\_\_\_ tricks for him."
19. The king could not \_\_\_\_\_  
out how the tricks were done.
20. He wondered if the cat would  
\_\_\_\_\_ visit him again.



Say CA-bin, CAB-in, pausing between syllables. Ask your child to identify the correct way to divide the syllables (cab-in). Repeat with figure (fig-ure), palace (pal-ace), and ever (ev-er).

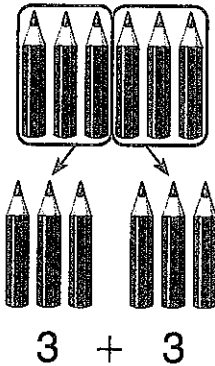


Name \_\_\_\_\_

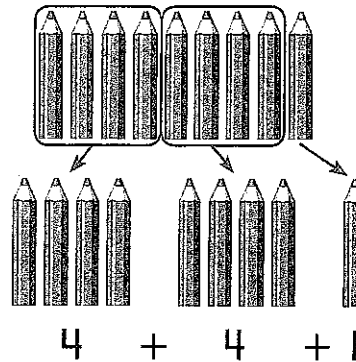
## Represent Even Numbers

Peter has 6 green pencils and 9 blue pencils. Does he have an even or an odd number of each color of pencil?

Even numbers are the sum of two equal addends.



If you can make two equal groups, the number is even.



If you cannot make two equal groups, the number is odd.

Peter has an even number of green pencils.  
He has an odd number of blue pencils.

### Objective

- Write an even number as the sum of two equal addends.

### Math Words

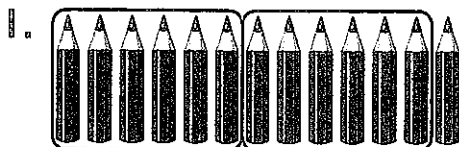
odd

even

equal addends

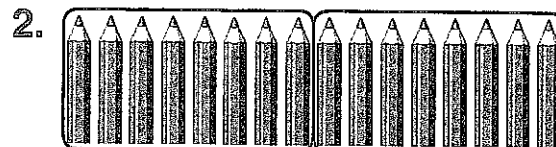
## PRACTICE

Write *even* or *odd*. If the number is even, write it as the sum of two equal addends.



13 is \_\_\_\_\_.

\_\_\_\_\_



16 is \_\_\_\_\_.

\_\_\_\_\_



## PRACTICE

Write *even* or *odd*. If the number is even, write it as the sum of two equal addends.

3. 7 is \_\_\_\_\_.

\_\_\_\_\_

4. 10 is \_\_\_\_\_.

\_\_\_\_\_

5. 14 is \_\_\_\_\_.

\_\_\_\_\_

## Problem Solving

6. What digits can be in the ones place of an even number?

\_\_\_\_\_

7. Lydia's mystery number is an odd number less than 20. It has 6 more ones than tens. What is Lydia's mystery number?

Lydia's number is \_\_\_\_\_.

## Write About It

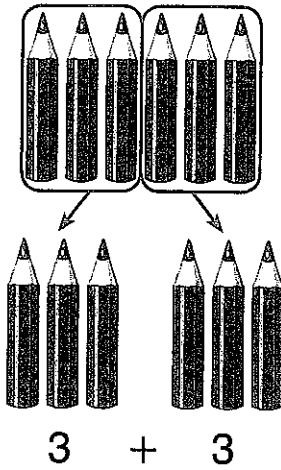
8. Olive says 12 is not an even number. She says it is odd because you can add  $5 + 7$ , which are not the same, to get 12. What is Olive's mistake?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Name \_\_\_\_\_

# Represent Even Numbers

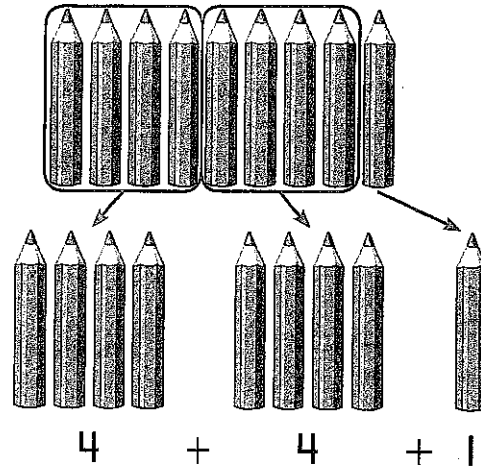
Even numbers are the sum of two equal addends.



There are 2 equal groups.  
If you can make two equal groups, the number is even.

$$3 + 3 = 6$$

6 is even.



There is 1 left over.  
If you cannot make two equal groups, the number is odd.

9 is odd.

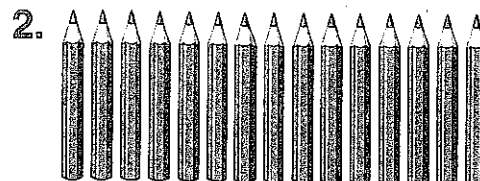
## MORE PRACTICE

Write *even* or *odd*. If the number is even, write it as the sum of two equal addends.



10 is \_\_\_\_\_.

\_\_\_\_\_



15 is \_\_\_\_\_.

\_\_\_\_\_

## HOMEWORK

Write *even* or *odd*. If the number is even, write it as the sum of two equal addends.

1. 17 is \_\_\_\_\_.

\_\_\_\_\_

2. 8 is \_\_\_\_\_.

\_\_\_\_\_

3. 5 is \_\_\_\_\_.

\_\_\_\_\_

4. 20 is \_\_\_\_\_.

\_\_\_\_\_

5. 19 is \_\_\_\_\_.

\_\_\_\_\_

6. 4 is \_\_\_\_\_.

\_\_\_\_\_

Circle the even numbers. Draw a line under the odd numbers.

7. 13

9

2

18

11

8. 12

16

19

10

3

### Problem Solving

9. Jake's mystery number is greater than 8 and less than 20. It has 3 more ones than tens. What is Jake's mystery number? Is it even or odd?

Jake's number is \_\_\_\_\_. It is \_\_\_\_\_.

### Write About It

10. Is the sum of  $9 + 9$  even or odd? Explain how you know.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

April 15th

# Classroom Practice 72

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## GRAMMAR

- **Exercise 1:** Classify each sentence. Use these labels: **SN SP V Adv Adj A P OP PP**.  
Underline the complete subject one time. Underline the complete predicate two times.

1. I played with my new doll today.

2. An angry farmer looked for his three pigs.

- **Exercise 2:** Use Sentence 2 above to complete the chart below.

List the noun	Tell how it is used	Is it singular or plural?	Is it common or proper?

## SKILLS

- **Exercise 3:** Unscramble this sentence to match the labels below. **on Jan paper the drew red**

\_\_\_\_\_

**SN                      V                      P                      A                      Adj                      OP**

- **Exercise 4:** For each underlined verb, write a **1** for present tense, a **2** for past tense, or a **3** for future tense.  
Use Reference 84 to help you with irregular verbs.

Verb Tense	Regular Verbs	Verb Tense	Irregular Verbs
	1. The bus <u>stops</u> at my house.		4. He <u>will sell</u> us a new house.
	2. We <u>will stop</u> at the store.		5. The man <u>sold</u> his apples.
	3. The car <u>stopped</u> at the red light.		6. My uncle <u>sells</u> cars and trucks.

## EDITING

- **Exercise 5:** On writing paper, write the sentence correctly. Use correct capitalization and punctuation.

will ray get his new bike on monday

Name \_\_\_\_\_

## RULE

Study the rule. Then write each word, dividing it into syllables.

When a single consonant comes between two vowels in a word, the word is usually divided before the consonant if the first vowel is long.

ti-ny

1. lilac \_\_\_\_\_

2. polar \_\_\_\_\_

3. spider \_\_\_\_\_

4. frozen \_\_\_\_\_

5. moment \_\_\_\_\_

6. lazy \_\_\_\_\_

7. pupil \_\_\_\_\_

8. lady \_\_\_\_\_

9. pirate \_\_\_\_\_

10. pilot \_\_\_\_\_

11. cozy \_\_\_\_\_

12. motel \_\_\_\_\_

13. David \_\_\_\_\_

14. music \_\_\_\_\_

15. tiger \_\_\_\_\_

16. broken \_\_\_\_\_

17. famous \_\_\_\_\_

18. paper \_\_\_\_\_

Write a sentence using some of the words in numbers 1-18.

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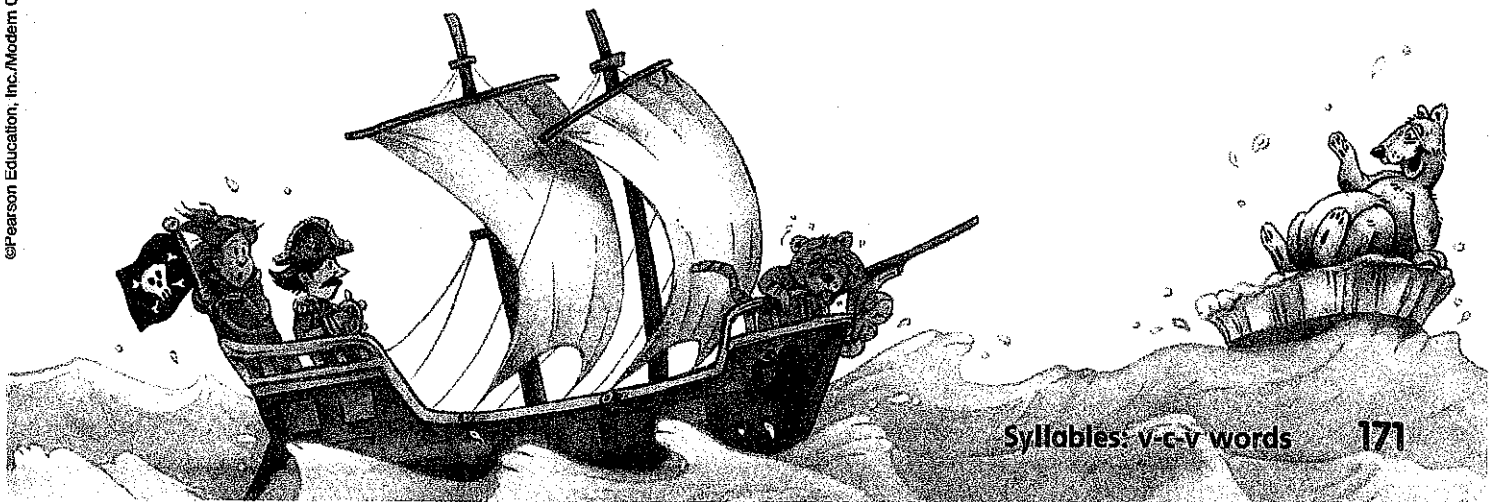
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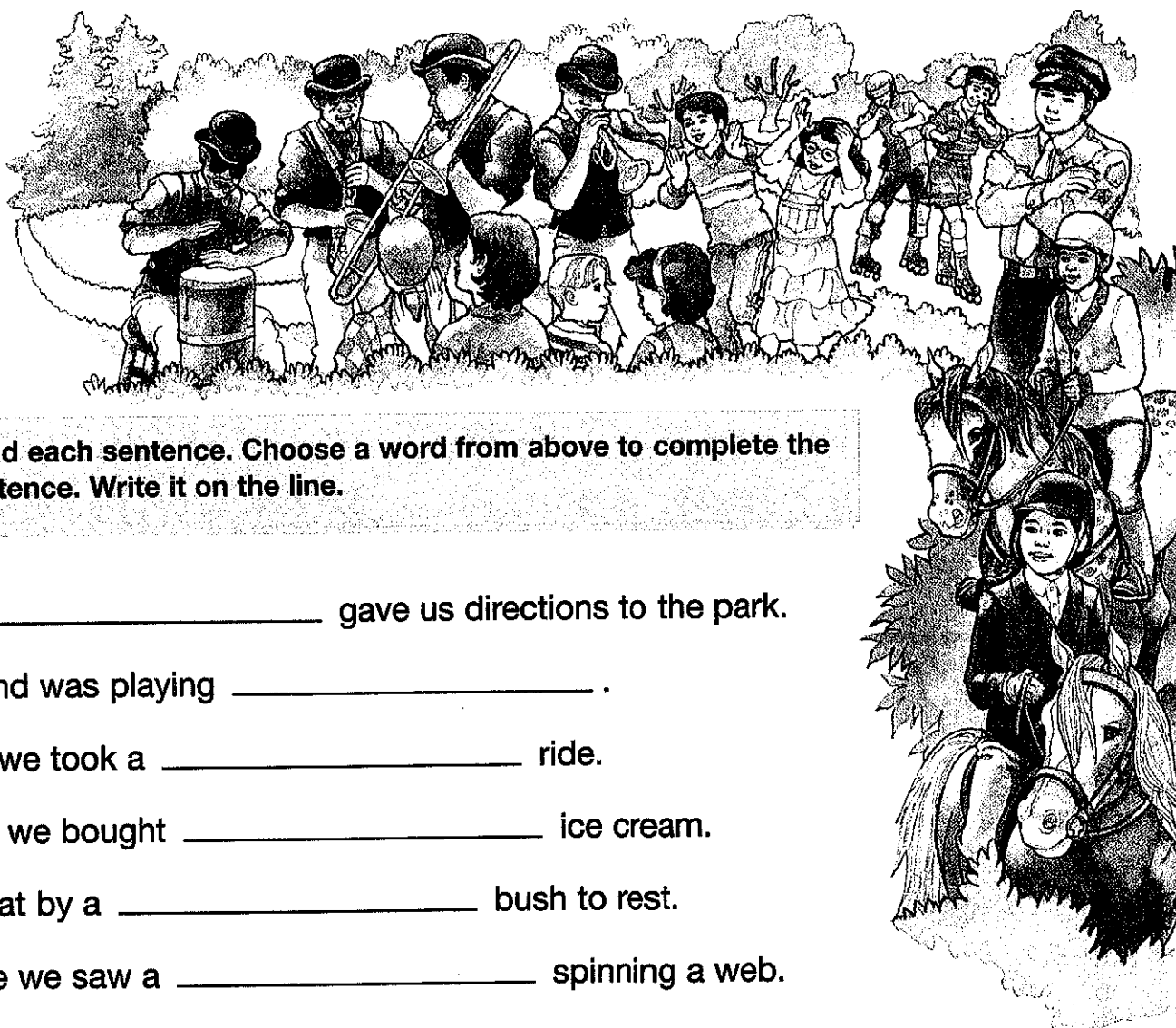


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Write each word, dividing it into syllables.

- |                  |                    |
|------------------|--------------------|
| 1. paper _____   | 2. frozen _____    |
| 3. lilac _____   | 4. cozy _____      |
| 5. music _____   | 6. policeman _____ |
| 7. spider _____  | 8. pony _____      |
| 9. sofa _____    | 10. lazy _____     |
| 11. grocer _____ | 12. basic _____    |



Read each sentence. Choose a word from above to complete the sentence. Write it on the line.

13. A \_\_\_\_\_ gave us directions to the park.
14. A band was playing \_\_\_\_\_.
15. First we took a \_\_\_\_\_ ride.
16. Then we bought \_\_\_\_\_ ice cream.
17. We sat by a \_\_\_\_\_ bush to rest.
18. There we saw a \_\_\_\_\_ spinning a web.
19. When I got home, I lay down on the \_\_\_\_\_.
20. It was so warm and \_\_\_\_\_ that I fell asleep.

Name \_\_\_\_\_

**Make pairs or count by 2s.**  
**Write *even* or *odd*.**



9 \_\_\_\_\_



14 \_\_\_\_\_



12 \_\_\_\_\_



19 \_\_\_\_\_

**Solve.**

5. Colin solves 11 math problems. Then he solves 5 more math problems. Does Colin solve an even number or an odd number of math problems? How many math problems does he solve in all?

Colin solves an \_\_\_\_\_ number of math problems.

He solves \_\_\_\_\_ math problems in all.

6. Marcos has an odd number of shells in his collection. Then he finds an even number of shells at the beach. Does Marcos have an even number or an odd number of shells in all?

Marcos has an \_\_\_\_\_ number of shells in all.



Write *even* or *odd*. If the number is even, write it as the sum of two equal addends.

7. 5 is \_\_\_\_\_.

\_\_\_\_\_

8. 12 is \_\_\_\_\_.

\_\_\_\_\_

9. 17 is \_\_\_\_\_.

\_\_\_\_\_

10. 15 is \_\_\_\_\_.

\_\_\_\_\_

11. 16 is \_\_\_\_\_.

\_\_\_\_\_

12. 22 is \_\_\_\_\_.

\_\_\_\_\_

Circle the number that has the same value as the group of addends.

13.  $4 + 4 + 1$

A. 8

B. 9

C. 13

14.  $9 + 9$

A. 16

B. 17

C. 18

Circle the letter next to the true statement.

15. A. The digit in the ones place of an even number can be 0, 2, 4, 5, or 8.
- B. A number that has a 0 in the ones place can be either odd or even.
- C. The digit in the ones place of an odd number can be 1, 3, 5, 7, or 9.

April 16th

## Chapter 22 Checkup 73

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## GRAMMAR

- **Exercise 1:** Classify each sentence. Use these labels: **SN SP V Adv Adj A P OP PP**.  
Underline the complete subject one time. Underline the complete predicate two times.

1. The young men jumped in the cold water.

2. The tall man worked for my dad.

- **Exercise 2:** Use Sentence 1 above to complete the chart below.

List the noun.	Tell how it is used.	Is it singular or plural?	Is it common or proper?

## SKILLS

- **Exercise 3:** Unscramble this sentence to match the labels below: **In jet the sky a big flew**

A                  Adj                  SN                  V                  P                  A                  OP

- **Exercise 4:** For each underlined verb, write a 1 for present tense, a 2 for past tense, or a 3 for future tense. Use Reference 84 to help you with irregular verbs.

Verb Tense	Regular Verbs	Verb Tense	Irregular Verbs
	1. The children <u>race</u> to the finish line.		4. The squirrel <u>came</u> to our door.
	2. The firefighters <u>raced</u> to the fire.		5. The nurse <u>comes</u> to our house.
	3. He <u>will race</u> his car tomorrow.		6. Our friends <u>will come</u> tomorrow.

## EDITING

- **Exercise 5:** On writing paper, write the sentence correctly. Use correct capitalization and punctuation.

may kenny and i play ball with you

Name \_\_\_\_\_

**Study the rule. Read each word and circle the vowel that is sounded by itself. Then write each word, dividing it into syllables.**

**RULE**

When a vowel is sounded alone in a word, it forms a syllable by itself.

**pyr-a-mid**

- |                    |                    |
|--------------------|--------------------|
| 1. magazine _____  | 2. open _____      |
| 3. uniform _____   | 4. disagree _____  |
| 5. ahead _____     | 6. Canada _____    |
| 7. unit _____      | 8. telephone _____ |
| 9. disobey _____   | 10. alive _____    |
| 11. ocean _____    | 12. electric _____ |
| 13. against _____  | 14. document _____ |
| 15. gasoline _____ | 16. Mexico _____   |
| 17. eternal _____  | 18. monument _____ |
| 19. odor _____     | 20. ago _____      |

**Write a paragraph about a place you would like to visit, using as many of the words in numbers 1-20 as you can.**

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► Read each sentence. Choose a word from the box to complete the sentence. Write it on the line.

1. Tory's family went to \_\_\_\_\_.
2. Every day they swam in the \_\_\_\_\_.
3. The marketplace was \_\_\_\_\_.
4. Many \_\_\_\_\_ were for sale.
5. Tory brought a \_\_\_\_\_ to read.
6. The family climbed a huge \_\_\_\_\_.
7. It had been built a long time \_\_\_\_\_.
8. A man in a \_\_\_\_\_ explained its history.
9. Tory ran down the steps \_\_\_\_\_ of her parents.
10. Then she wanted to run up the steps \_\_\_\_\_!

pyramid  
magazine  
uniform  
items  
ahead  
ocean  
again  
ago  
open  
Mexico

► Write the words from the box above, dividing them into syllables.

- |           |           |
|-----------|-----------|
| 11. _____ | 16. _____ |
| 12. _____ | 17. _____ |
| 13. _____ | 18. _____ |
| 14. _____ | 19. _____ |
| 15. _____ | 20. _____ |

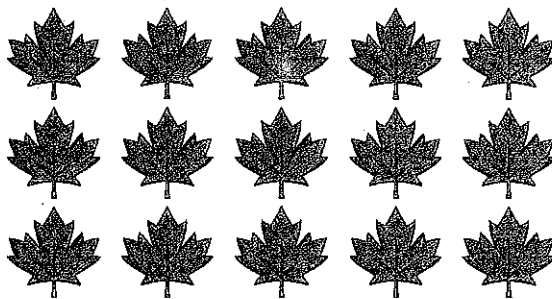


Name \_\_\_\_\_

## Arrays: Repeated Addition

Rebecca arranges her leaf collection in 3 rows. There are 5 leaves in each row. How many leaves does Rebecca have in her collection?

An array is an arrangement of objects in rows and columns. Each row has the same number of objects. Each column has the same number of objects.



You can add the objects in each row:

$$\begin{array}{r} 5 \\ + 5 \\ + 5 \\ \hline 15 \end{array}$$

You can add the objects in each column:

$$3 + 3 + 3 + 3 + 3 = 15$$

The sum is the same.

Rebecca has 15 leaves in her collection.

## PRACTICE

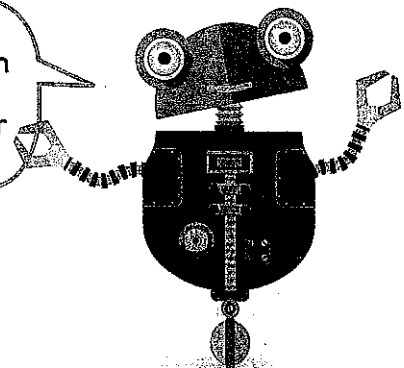
Complete two equations for the array.



$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

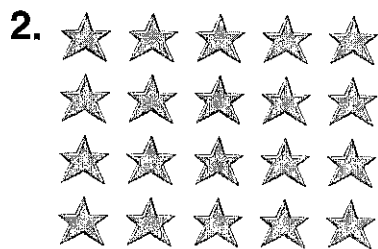
$$\underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

For the first equation, add the number of pails in each row. For the second equation, add the number of pails in each column.



## PRACTICE

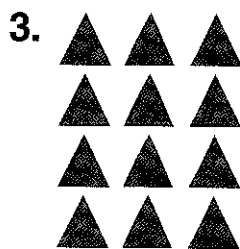
Write two equations for each array.  
Find how many in all.



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There are \_\_\_\_ stars.



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There are \_\_\_\_ triangles.

## Problem Solving

4. Molly makes an array with 5 rows of shells. There are 2 shells in each row. How many shells does Molly have?

Molly has \_\_\_\_ shells.

## Write About It

5. Why is the sum in an array the same whether you add the numbers in each column or the numbers in each row?

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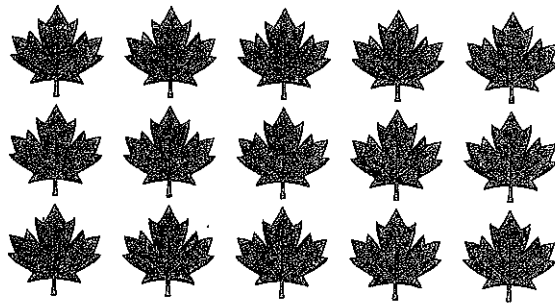
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Name \_\_\_\_\_

# Arrays: Repeated Addition

An array is an arrangement of objects in rows and columns. Each row has the same number of objects. Each column has the same number of objects.



You can add the objects in each row:

$$\begin{array}{r} 5 \\ 5 \\ + 5 \\ \hline 15 \end{array}$$

You can add the objects in each column:

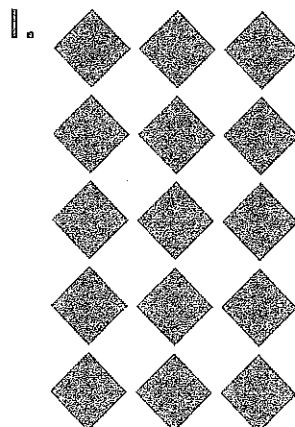
$$3 + 3 + 3 + 3 + 3 = 15$$

The sum is the same.

There are 15 leaves in the array.

## MORE PRACTICE

Circle the two groups of addends that tell the total number of diamonds in the array.



$$3 + 5$$

$$3 + 3 + 3 + 3 + 3$$

$$5 + 5 + 5$$

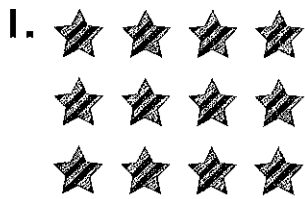
$$6 + 6 + 6$$

There are \_\_\_\_\_ diamonds in the array.



## HOMWORK

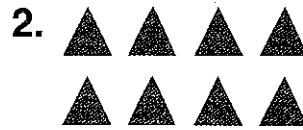
Write two equations for each array.  
Find how many in all.



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There are \_\_\_\_ stars.



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There are \_\_\_\_ triangles.

## Problem Solving

3. Jeremiah makes an array with 25 toy trucks.  
There are 5 columns of trucks. How many trucks  
does Jeremiah put in each row?

Jeremiah puts \_\_\_\_ trucks in each row.

## Write About It

4. When you make an array and then write an  
equation to find the total, why are the addends  
all the same number?

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April 17th

Name \_\_\_\_\_

**Study the rule. Then write each word, dividing it into syllables.**

**RULE**

When two vowels come together in a word and are sounded separately, divide the word between the two vowels.  
**flu-id**

- |                   |                   |
|-------------------|-------------------|
| 1. giant _____    | 11. lion _____    |
| 2. quiet _____    | 12. diet _____    |
| 3. rodeo _____    | 13. ruin _____    |
| 4. radiator _____ | 14. cruel _____   |
| 5. graduate _____ | 15. pioneer _____ |
| 6. dial _____     | 16. poet _____    |
| 7. usual _____    | 17. create _____  |
| 8. science _____  | 18. idea _____    |
| 9. poem _____     | 19. gradual _____ |
| 10. radio _____   | 20. oriole _____  |

**Write two sentences using some of the words in numbers 1-20.**

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Write each word, dividing it into syllables.

1. radio \_\_\_\_\_
2. piano \_\_\_\_\_
3. diet \_\_\_\_\_
4. diaper \_\_\_\_\_
5. quiet \_\_\_\_\_
6. cruel \_\_\_\_\_
7. graduate \_\_\_\_\_
8. poem \_\_\_\_\_
9. lion \_\_\_\_\_
10. violin \_\_\_\_\_
11. violet \_\_\_\_\_
12. giant \_\_\_\_\_
13. guardian \_\_\_\_\_
14. create \_\_\_\_\_
15. rodeo \_\_\_\_\_
16. dandelion \_\_\_\_\_

17. Ohio \_\_\_\_\_
18. science \_\_\_\_\_
19. idea \_\_\_\_\_
20. denial \_\_\_\_\_
21. radiator \_\_\_\_\_
22. fluid \_\_\_\_\_
23. ruin \_\_\_\_\_
24. trial \_\_\_\_\_
25. theater \_\_\_\_\_
26. pioneer \_\_\_\_\_
27. hyena \_\_\_\_\_
28. celebrate \_\_\_\_\_
29. realize \_\_\_\_\_
30. annual \_\_\_\_\_
31. dial \_\_\_\_\_
32. violent \_\_\_\_\_

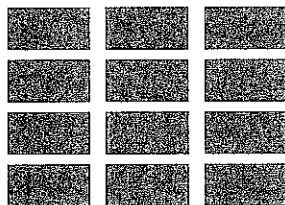


Name \_\_\_\_\_

# Arrays: Show the Same Number

Ben has 4 rows of photos. Each row has 3 photos. Ben wants to put the photos in 3 equal rows. How many photos should he put in each row?

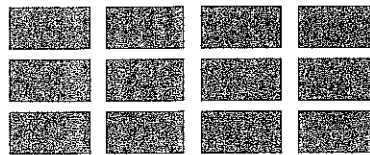
Find how many photos Ben has.



There are 4 rows of 3 photos.

$$3 + 3 + 3 + 3 = 12 \text{ photos}$$

Show the photos in 3 equal rows.



There are 3 rows of 4 photos.

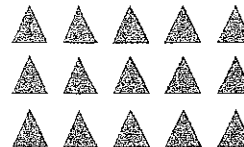
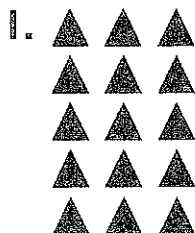
$$4 + 4 + 4 = 12 \text{ photos}$$

Both arrays have the same number of photos.

Ben should put 4 photos in each row.

## PRACTICE

Complete the equation for each array.



$$3 + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = 15$$

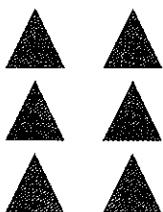
$$5 + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

Do the arrays have the same number of objects? \_\_\_\_\_

## PRACTICE

Draw a different array that has the same number of objects. Write an equation for your array.

2.



Describe two arrays that have the given number of objects.

3. 16 marbles    \_\_\_\_\_ rows of \_\_\_\_\_ marbles  
                      \_\_\_\_\_ rows of \_\_\_\_\_ marbles

## Problem Solving

4. Ricardo made an array with 2 rows of 9 cards.  
How many cards are in his array?

\_\_\_\_\_ cards

Describe a different array that has the same number of cards.

\_\_\_\_\_

## Write About It

5. Explain how an array with 4 rows of 5 objects and an array with 5 rows of 4 objects are the same. Then explain how they are different.

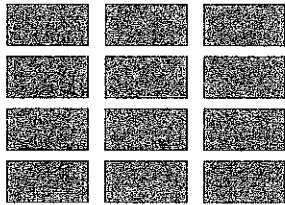
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Name \_\_\_\_\_

# Arrays: Show the Same Number

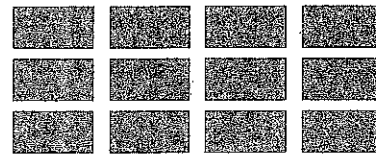
Does an array with 4 rows of 3 objects have the same number as an array with 3 rows of 4 objects?

How many is 4 rows of 3?



$$3 + 3 + 3 + 3 = 12$$

How many is 3 rows of 4?



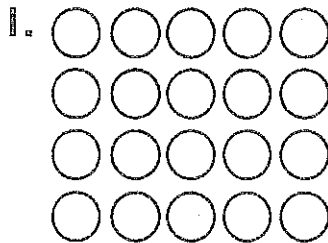
$$4 + 4 + 4 = 12$$

Yes. Both arrays have the same number of objects.

## MORE PRACTICE

Draw a different array that has the same number of objects as the one shown.

Write an equation for your array.



## **HOMEWORK**

**Describe two arrays that have the given number of objects.**

1. 8 stamps     \_\_\_\_ rows of \_\_\_\_ stamps  
                  \_\_\_\_ rows of \_\_\_\_ stamps
- 

2. 10 pencils     \_\_\_\_ rows of \_\_\_\_ pencils  
                  \_\_\_\_ rows of \_\_\_\_ pencils
- 

3. 16 erasers     \_\_\_\_ rows of \_\_\_\_ erasers  
                  \_\_\_\_ rows of \_\_\_\_ erasers

### **Problem Solving**

4. Alan and Blake build arrays with blocks. Alan's array has 6 rows with 2 blocks in each row. Blake's array has 4 rows with 3 blocks in each row. How many blocks did each boy use?

Each boy used \_\_\_\_ blocks.

### **Write About It** ♦

5. How do you make an array for a given number of objects?

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Name \_\_\_\_\_

# Problem Solving

Read Plan Solve Check

## Draw a Picture

Cesar buys 3 boxes of markers.

Each box has 5 markers in it.

Isaac buys 4 boxes of markers.

Each box has 4 markers in it.

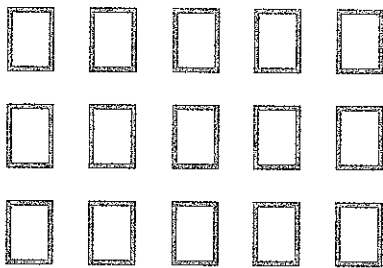
Who buys more markers?

You can draw a picture to show the total number of markers each boy buys.

The number of rows shows the number of boxes.

The number of columns shows the number of markers in each box.

Cesar: 3 boxes of 5

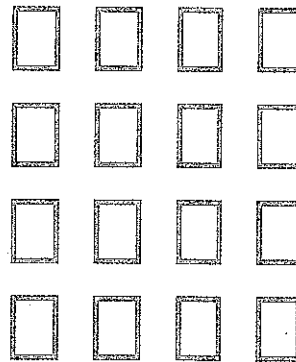


$$5 + 5 + 5 = 15$$

Cesar buys a total of 15 markers.

$$15 < 16$$

Isaac: 4 boxes of 4



$$4 + 4 + 4 + 4 = 16$$

Isaac buys a total of 16 markers.

### Objectives

- ▣ Solve problems by drawing a picture.
- ▣ Use a variety of strategies to solve problems.

### Math Words

row

column

Isaac buys more markers.

## PRACTICE

Read and solve each problem. You can draw a picture to help solve some of the problems.

1. Mr. Hill plants 2 rows of 5 tulips. He also plants 3 rows of 3 daisies. Does Mr. Hill plant more tulips or daisies? Draw a picture and solve.

Mr. Hill plants more \_\_\_\_\_.

2. The library sets up a display with 5 rows of books. Each row has 4 books in it. At the end of the day, 13 of the books have been checked out. How many books are left? Draw a picture and solve.

There are \_\_\_\_\_ books left in the display.

### Write About It

3. Explain the strategy you used to find the number of books left in the library's display.

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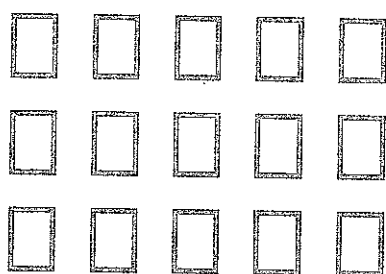
Name \_\_\_\_\_

**Problem Solving****Draw a Picture**

Cesar buys 3 boxes of markers. Each box has 5 markers in it. Isaac buys 4 boxes of markers. Each box has 4 markers in it. Who buys more markers?

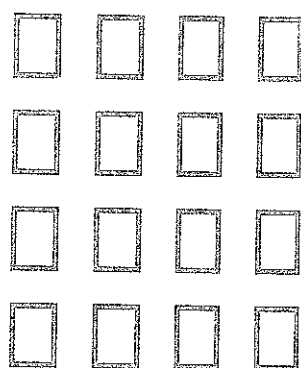
You can draw a picture to show the problem.

Cesar: 3 boxes of 5



$$5 + 5 + 5 = 15$$

Isaac: 4 boxes of 4



$$4 + 4 + 4 + 4 = 16$$

Isaac buys more markers.

**MORE PRACTICE**

**Draw a picture to help solve the problem.**

- I. A teacher has 24 bins of books.  
She puts the bins in 4 rows.  
How many bins are in each row?

There are \_\_\_\_ bins in each row.

## MORE PRACTICE

2. Luke has 3 rows of pictures on a wall in his room. There are 4 pictures in each row. His sister also has the same number of pictures in her room. How many pictures are there in both rooms in all? Draw a picture and solve.

There are \_\_\_\_\_ pictures in all.

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3. Amy's basketball team scored 386 points last season. This season the team scored 38 fewer points than last season. How many points in all did Amy's team score during the two seasons? Show your solution.

Amy's team scored \_\_\_\_\_ points in all for the two seasons.

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4. Macy's lock has a three-digit passcode. She knows that the digits are 5, 0, and 9, but she cannot remember the order. What are all the possible passcodes?
-

Name \_\_\_\_\_

## Problem Solving

Draw a Picture

### HOMEWORK

**Read and solve each problem. You can draw a picture to help solve some of the problems.**

1. Fernando buys 3 boxes of blueberry bars that have 6 bars each. He also buys 2 boxes of strawberry bars that have 7 bars each. Does Fernando buy more blueberry or more strawberry bars? Draw a picture and solve.

Fernando buys more \_\_\_\_\_ bars.

2. Art students hang their paintings in 5 rows of 5 to dry. At the end of the week, 17 students take their paintings home. How many paintings are left to dry? Draw a picture and solve.

There are \_\_\_\_ paintings left to dry.

## HOMEWORK

3. Ben has 4 rows of buttons, with 2 buttons in each row. Mark has 2 rows of buttons, with 6 buttons in each row. How many more buttons does Ben need in order to have the same number as Mark? Draw a picture and solve.

Ben needs \_\_\_\_ more buttons.

4. Two numbers have a sum of 560. One of the numbers is 184. What is the difference of the two numbers? The difference is \_\_\_\_.

### Write About It

5. Explain the strategy you use to find the difference of two numbers when you know their sum and the value of one of the numbers.

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