

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

#: \_\_\_\_\_

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

## Stay Candle Safe

Tues. HW  
(due Wed.)



photos.com

*Make a wish, but remember to use care in blowing out birthday candles.*

Candles are not something to be taken "lightly." Burning candles may be beautiful, but they also can be dangerous. Often they are the cause of deadly home fires. From 1995 to 2005, the number of candle fires tripled.

National Fire Prevention Week takes place in October. Each year has a **theme**<sup>1</sup>. One of the past themes was "Use Candles with Care." Fire officials have these tips for children to stay safe when there are candles:

- Make sure a grown-up is in the room when a candle is burning.
- Keep candles at least a foot away from anything that could catch on fire.
- Ask an adult to put out a burning candle before leaving the room.

<sup>1</sup> **theme:** a subject for an event or for a work of literature, art, or music

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

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

**"Stay Candle Safe" Questions:**

- \_\_\_\_\_ 1. The author wrote this article to
- a. inform the reader about ways to celebrate a birthday.
  - b. warn the reader about the possible dangers of candles.
  - c. teach the reader how to light a candle safely.
  - d. urge people to not use candles.
- \_\_\_\_\_ 2. The author informs the reader about National Fire Prevention Week, because
- a. the author is a firefighter.
  - b. it is the same week as the author's birthday.
  - c. the author wants us to know the theme and timing of National Fire Prevention Week.
  - d. the author does not agree with the theme of "Use Candles with Care."
- \_\_\_\_\_ 3. The author uses quotation marks around the word *lightly* in order to
- a. emphasize the importance of safety with candles.
  - b. quote someone from National Fire Prevention Week.
  - c. show that there are two meanings of the word.
  - d. point out *light* as a new word to many readers.
- \_\_\_\_\_ 4. From 1995 to 2005 there were \_\_\_\_\_ the number of candle fires.
- a. triple
  - b. double
  - c. one half
  - d. one quarter
- \_\_\_\_\_ 5. Why does the author give tips on candle safety?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Name \_\_\_\_\_



# Homework & Practice 5-1

## Patterns for Multiplication Facts

### Another Look!

You can find and explain multiplication patterns.

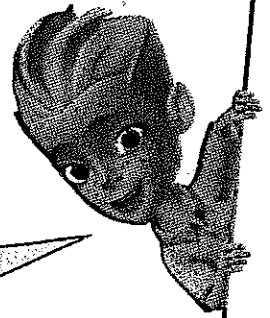
x	1	2	3	4	5	6	7	8	9
6	6	12	18	24	30	36	42	48	54

You can see that the products of 6 increase by 6 as the other factor increases.

So, you know that 4 groups of 6 is the same as 3 groups of 6 plus 1 more group of 6. You can use the Distributive Property to explain.

$$\begin{aligned}
 4 \times 6 &= (3 + 1) \times 6 \\
 &= (3 \times 6) + (1 \times 6) \\
 &= 18 + 6 \\
 &= 24
 \end{aligned}$$

To find patterns, look for things that repeat or are the same.



In 1–5, use the multiplication table shown at the right.

1. Find the column which has products that are the sum of the yellow shaded numbers in each row. Shade this column.

2. What pattern do you see?

3. Explain why this pattern is true.

4. Find a similar pattern using different products. Shade the columns on the multiplication table.

5. Explain how you choose which columns to shade.

x	1	2	3	4	5	6	7	8	9
1	1	2	3	4	5	6	7	8	9
2	2	4	6	8	10	12	14	16	18
3	3	6	9	12	15	18	21	24	27
4	4	8	12	16	20	24	28	32	36
5	5	10	15	20	25	30	35	40	45
6	6	12	18	24	30	36	42	48	54
7	7	14	21	28	35	42	49	56	63
8	8	16	24	32	40	48	56	64	72
9	9	18	27	36	45	54	63	72	81

6. **Make Sense and Persevere** Teresa bought 3 boxes of chocolate. Each box has 9 pieces of chocolate inside. Teresa gave away 15 pieces of chocolate. How many pieces of chocolate does she have left?

7. **Vocabulary** Margie divided 24 by 3. The *dividend* is \_\_\_\_\_. The *quotient* is \_\_\_\_\_.

8. **Look for Relationships** Look at the multiples of 2. What pattern do you see?

x	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20

9. **Construct Arguments** Look at the table on page 241. Does this table have more even products or more odd products? Explain.

10. **Higher Order Thinking** Chris needs to find the product of two numbers. One of the numbers is 11. The answer also needs to be 11. How will Chris solve this problem? Explain.

## Assessment

11. Look at the shaded products in the multiplication table shown below.

x	1	2	3	4	5	6	7	8	9
1	1	2	3	4	5	6	7	8	9
2	2	4	6	8	10	12	14	16	18
3	3	6	9	12	15	18	21	24	27
4	4	8	12	16	20	24	28	32	36
5	5	10	15	20	25	30	35	40	45
6	6	12	18	24	30	36	42	48	54
7	7	14	21	28	35	42	49	56	63
8	8	16	24	32	40	48	56	64	72
9	9	18	27	36	45	54	63	72	81

### Part A

What pattern do you notice?

### Part B

Explain why the pattern works.

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

#: \_\_\_\_\_

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

## Hispanic Population Soars

Wed. HW  
(due Thurs.)



U.S. Department of Treasury

*Music and dancing are often part of Hispanic festivals.*

The face of the United States is changing. Hispanic Americans, also known as Latinos, make up the fastest-growing group. The latest U.S. **census** update shows that 41 million people are Hispanic. A census is a count of people.

Hispanic Americans are people whose families are from Spanish-speaking countries. Most of those countries are in Central and South America.

Nearly 297 million people live in the United States today. One of every seven people in our country is Hispanic!

The news comes just in time for Hispanic Heritage Month. It takes place each year from September 15 to October 15. During this time, Americans honor Hispanic history and customs. Many families celebrate by taking part in festivals and parades.

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

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

**"Hispanic Population Soars" Questions**

- \_\_\_\_\_ 1. Someone would read this passage
- a. to get information on Hispanic festivals.
  - b. to read about the rate of immigration into the United States.
  - c. to learn fun ways to celebrate Hispanic Heritage Month.
  - d. to learn about the growing number of Hispanics.
- \_\_\_\_\_ 2. About \_\_\_\_\_ of Americans are Hispanic.
- a. 41 million.
  - b. 20 million.
  - c. 61 million.
  - d. 4 million.
- \_\_\_\_\_ 3. Why did the author include census information?
- a. Census information tells us about Hispanic Heritage Month.
  - b. Festivals often include census information.
  - c. The census information is recent.
  - d. The census tells us the number of Hispanics in the U.S.
- \_\_\_\_\_ 4. Why did the author include a photograph?
- a. The photograph shows the reader part of a Hispanic American festival.
  - b. The photograph shows the reader the percentage of Hispanics living in the United States.
  - c. The photograph is an illustration of the U.S. Census.
  - d. The photograph is a picture of the author.
- \_\_\_\_\_ 5. Do all Hispanics speak Spanish? Explain.

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Name \_\_\_\_\_



# Homework & Practice 5-2

## Use a Multiplication Table

### Another Look!

Find  $24 \div 6$ .



You can think of a division problem as a multiplication fact that is missing a factor.

- Find the factor you already know in the first column of the table. In  $6 \times ? = 24$ , that factor is **6**.
- Go across the row until you get to the product. In  $6 \times ? = 24$ , the product is **24**.
- Go straight to the top of that column. The number at the top of the column is 4. So, the missing factor is 4.  $24 \div 6 = 4$

		missing factor				
						↓
×	0	1	2	3	4	
0	0	0	0	0	0	
1	0	1	2	3	4	
2	0	2	4	6	8	
3	0	3	6	9	12	
4	0	4	8	12	16	
5	0	5	10	15	20	
6	0	6	12	18	<b>24</b>	↑
						↑
						product
						↑
						factor

In 1–15, find the value that makes the equations correct. Use a multiplication table to help.

1.  $8 \div 2 = \underline{\quad}$

$2 \times \underline{\quad} = 8$

2.  $12 \div 4 = \underline{\quad}$

$4 \times \underline{\quad} = 12$

3.  $16 \div 8 = \underline{\quad}$

$8 \times \underline{\quad} = 16$

4.  $18 \div 6 = \underline{\quad}$

$6 \times \underline{\quad} = 18$

5.  $27 \div 3 = \underline{\quad}$

$3 \times \underline{\quad} = 27$

6.  $36 \div 4 = \underline{\quad}$

$4 \times \underline{\quad} = 36$

7.  $48 \div 8 = \underline{\quad}$

$8 \times \underline{\quad} = 48$

8.  $35 \div 7 = \underline{\quad}$

$7 \times \underline{\quad} = 35$

9.  $30 \div 5 = \underline{\quad}$

$5 \times \underline{\quad} = 30$

10.  $24 \div 8 = \underline{\quad}$

11.  $49 \div 7 = \underline{\quad}$

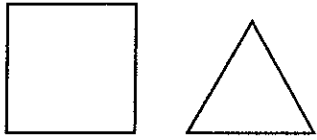
12.  $54 \div 6 = \underline{\quad}$

13.  $14 \div 2 = \underline{\quad}$

14.  $24 \div 3 = \underline{\quad}$

15.  $32 \div 8 = \underline{\quad}$

16. Christina has these two tiles. Draw a new shape she can create with both tiles. Then name the shape and how many sides the new shape has.



17. There are 3 drawers in Mona's dresser. Each drawer has the same number of shirts. Mona has 27 shirts. How many shirts are in each drawer?

18. **Model with Math** A pet shop has 24 fish in 8 tanks with an equal number of fish in each tank. Which multiplication fact can you use to find how many fish are in each tank?

19. **Algebra** Ethan went to the farmers market and bought 57 pieces of fruit. He bought 15 pears, 22 apples, and some peaches. Write an equation to help solve the problem. Use an unknown to represent the number of peaches.

20. **Math and Science** 18 solar panels are put on a house. The solar panels are arranged in 3 equal columns. How many rows of solar panels are on this house? Explain how to use a multiplication table to solve the problem.

21. **Higher Order Thinking** Mike says he can use a multiplication table to find  $5 \div 0$ . Is he correct? Explain.

## Assessment

22. Using the multiplication table, Jared found the missing number in the equation  $63 \div 7 = \square$ . What is the missing number?

- (A) 70
- (B) 56
- (C) 9
- (D) 8

x	0	1	2	3	4	5	6	7	8	9
0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9
2	0	2	4	6	8	10	12	14	16	18
3	0	3	6	9	12	15	18	21	24	27
4	0	4	8	12	16	20	24	28	32	36
5	0	5	10	15	20	25	30	35	40	45
6	0	6	12	18	24	30	36	42	48	54
7	0	7	14	21	28	35	42	49	56	63
8	0	8	16	24	32	40	48	56	64	72
9	0	9	18	27	36	45	54	63	72	81



Name:

#:

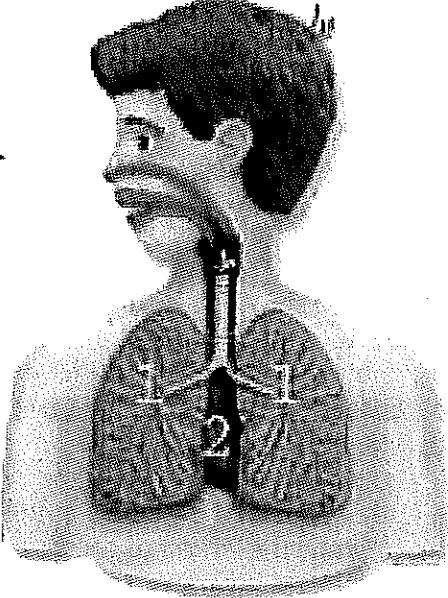
Date:

# Smoking Hurts the Lungs and Heart

Thurs. Hw  
(due Fri.)

**Smoking Hurts the Lungs and Heart**

- 1. Lungs**—Smoking kills parts of the lungs that allow a person to breathe. It also causes illnesses, such as bronchitis and emphysema.
- 2. Heart**—Smoking blocks vessels carrying blood to and from the heart. It can also lead to heart attacks.



## 6 Reasons Not to Start Smoking

- Smoking limits the amount of air a person's lungs can hold.
- Smoking causes severe coughing.
- Smoking causes bad breath and limits a person's sense of smell.
- Smoking ages a person's body. It causes wrinkles and hair loss.
- Smoking causes mouth cancer and other diseases, such as tooth decay and gum disease.
- Each year, fires started by lit cigarettes kill about 25,000 people.

Question Sheet

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

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

**“Smoking Hurts the Heart and Lungs” Questions**

- \_\_\_\_\_ 1. The author wrote this
- a. to show readers why they should not smoke.
  - b. because many of the author's friends have health problems from smoking.
  - c. to give the reader ideas for exercising.
  - d. to tell readers about why smoking is good for them.
- \_\_\_\_\_ 2. The following is a reason that you should not smoke:
- a. smoking causes cancer.
  - b. smoking helps you to breathe better.
  - c. smoking helps to keep your mouth healthy.
  - d. smoking helps you to lose weight.
- \_\_\_\_\_ 3. The author uses a list to
- a. confuse the reader.
  - b. show the reader information that is clearly organized.
  - c. compare how smoking is both good and bad for you.
  - d. show an order of events.
- \_\_\_\_\_ 4. The author included a picture in this passage
- a. to show the areas of the body that can be hurt by smoking.
  - b. to explain how smoking hurts different parts of the body.
  - c. to give readers information in a way that they will remember it.
  - d. all of the above.
- \_\_\_\_\_ 5. If you do not smoke, will you be a healthier person? Explain.

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Name \_\_\_\_\_



# Homework & Practice 5-3

Find Missing Numbers in a Multiplication Table

## Another Look!

What are the missing factors and products in the table?

×	5	9	6
3	15	27	18
2	10	18	12
1	5	9	6
8	40	72	48

$12 \div 2 = 6$

$3 \times 5 = 15, 3 \times 6 = 18$

$2 \times 9 = 18$

$9 \div 9 = 1, 1 \times 5 = 5, 1 \times 6 = 6$

$8 \times 5 = 40, 8 \times 9 = 72, 8 \times 6 = 48$

Use the given numbers to find the missing numbers. Think multiplication or division.



In 1–4, find the missing factors and products.

1.

×	□	6	□
0			
□		30	
9	45		63
□		42	

2.

×	□	□	9
2	8		
□			81
3		9	
□			72

3.

×	□	□	6
5	10		
□			48
2	4	0	
□			36

4.

×	3	□	□
4			20
□	18		
1		8	
□			35

5. **Model with Math** Leah has the flowers shown. She wants to put them in 4 vases with the same number in each vase. How many flowers does she need to put in each vase? Tell how you know.



6. **Higher Order Thinking** Bradley is trying to find a missing factor. A product of that factor has a 3 in the ones digit. Is the missing factor even or odd? Explain.

A chart can help you find relationships.



7. **Construct Arguments** George has 7 boxes of 5 pencils. Julio has 3 boxes of 8 pencils. One of the boys arranges all his pencils equally into 2 groups. Was this George or Julio? How many are in each group? Explain.

8. **Critique Reasoning** Ned says he cannot use division to solve a missing factor problem because factors are part of multiplication equations. Do you agree? Explain why or why not.

## Assessment

9. Complete the sentences below.

Jamal took 72 pictures with his digital camera while on vacation. He wants to put them in 8 folders on his computer. How many pictures should he put in each folder?

$$72 \div 8 = \square \text{ because } 8 \times \square = 72.$$

Jamal should put  $\square$  pictures in each folder.

10. Find the missing factors and products.

$\times$	$\square$	5
3		
$\square$	48	40