

# Worksheet 1 Real-World Problems: Multiplication

Study the bar models. Then complete the sentence.



Name	
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Date: _	
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## Draw bar models to show each statement.

— Exa	mple ——				
A	is three ti	mes as n	nany as B.		
A					
B		]			
		_			

**4.** C is four times as many as D.

5. E is twice as many as F.

**6.** G is five times as many as H.

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



### Express the bar model as a multiplication sentence.



#### Solve. Use the bar models to help you.





### Solve. Draw bar models to help you.

Jack is v Chris w How mu	weighs tw eighs 42 uch does .	ice as m pounds. Jack wei	uch as ( gh?	Chris.		
,	42	2.16				
Chris						
Jack						
			?			
2	×_	42	_ =	84		
lack we	iahs	84	nounds			

9. Terell packs some books into two boxes. The first box has 16 books in it. The second box has three times as many books as the first box has. How many books does the second box have?

\_\_\_\_\_X \_\_\_\_ = \_\_\_\_

The second box has \_\_\_\_\_ books.

10. Lesley saves \$24.Megan saves 5 times as much as Lesley.How much money does Megan save?

Megan saves \$\_\_\_\_\_.

Date:	
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### Write a word problem using the bar models given. Then solve the problem.





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Date: \_\_\_



Date: \_

# Worksheet 2 Real-World Problems: Two-Step Problems with Multiplication

### Complete.

Name: .





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In February, 32 members join a new club.
 During spring, 5 times as many members join the club.
 How many club members are there at the end of spring?

Name:
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- 5. A store owner buys 24 boxes of apples.Each box contains 8 apples.During a sale, he sells 63 apples.
  - a. How many apples does he have at first?

**b.** How many apples does the store owner have left after the sale?

 In the auditorium, Brad arranges 35 rows of chairs. Each row has 7 chairs. During the performance, 78 chairs are empty.
 a. How many chairs does Brad arrange?

**b.** How many people attend the performance?

Name:	Date:

**7.** A farmer keeps 27 chicks and 18 ducklings in each coop. She has 9 coops. How many chicks and ducklings does the farmer have altogether?

Sally has 56 stamps.
 Sarah has three times as many stamps as Sally.
 Their brother, Peter, has 45 stamps less than Sarah.
 How many stamps does Peter have?

Name:
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Date:	
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#### Write a two-step word problem using the bar models. Ask a friend to solve the problem.





## Solve. Use a letter to represent the unknown number.

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



Abe's plant is twice as tall as Bill's.
 Bill's plant is 45 centimeters.
 Write a sentence using the letter h to find the height of Abe's plant.



Abe's plant is \_\_\_\_\_ centimeters tall.

#### Solve. Use letters to represent the unknown numbers.

**11.** Lily bought 3 boxes of apples.

Each box contained 32 apples.

She found that each box contained 5 rotten apples.

a. How many good apples are there in each box?



There are \_\_\_\_\_ good apples in each box.

**b.** How many good apples are there altogether?



There are \_\_\_\_\_ good apples altogether.

12. Raymond spends 4 times as much money as Sally. Sally spends \$48. Tina spends \$75 less than Raymond. How much does Tina spend?



Name:
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Date:	
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Brad collects spiders as a hobby.
He has 5 boxes of spiders and each box contains 36 spiders.
He gives 15 spiders to his friends.
How many spiders does Brad have left?

Date: \_\_\_\_

Name: .

## Worksheet 3 Real-World Problems: Division

Complete the division sentence. Use the bar model to help you.



Name	
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Date:	
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#### Solve. Use the bar model to help you.





#### Complete the division sentence. Use the bar model to help you.





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#### Solve. Use the bar models to help you.



**5.** Lionel has \$72.

He divides the money equally among 6 children. How much money does each child get?



Name:
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6. Shirley collects 72 pineapples.She puts them equally into 8 boxes.How many pineapples are in each box?



### Solve. Use the bar models to help you.



Name
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Date: .
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#### Solve. Use bar models to help you.

A hotel chef fries 35 eggs for breakfast in a hotel. He divides them equally among 7 plates. How many eggs are on each plate?

 A milkman delivers the same amount of milk to 8 households. He delivers a total of 48 cartons of milk. How many cartons of milk does each household get?

#### Date: .

#### Solve. Use the bar models to help you.



9. Janice sells 45 oranges to a buyer.She puts 5 oranges into each bag.How many bags does Janice use for all of the oranges?



#### Solve. Use the bar models to help you.

10. Robert collects 132 bunches of grapes. He puts 6 bunches in each box. How many boxes does Robert use to pack all of the grapes?



#### Solve. Use the bar models to help you.



Name:
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**11.** Margaret has 75 coins.

She arranges them in her coin book so that each page has 5 coins. How many pages are needed to hold all of Margaret's coins?

12. Mr. Nelson has 76 liters of paint. He pours all of the paint equally into 4 cans. How many liters of paint does each can have in it?

Date: \_

# Worksheet 4 Real-World Problems: Two-Step Problems with Division

### Solve. Use the bar models to help you.

Name:





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#### Date:

#### Solve. Use bar models to help you.



 In a math competition, Gabriel completes 3 times as many problems as Harry. Altogether, they complete 72 problems. How many problems does Gabriel complete?

#### Solve. Use bar models to help you.



3. Rosanna buys 8 packages of pencils.
Each package has 24 pencils.
She divides all the pencils equally into 6 boxes.
a. How many pencils does Rosanna buy in all?

**b.** How many pencils does each box contain?

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Date:
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- 4. Mr. Chan buys 100 apples and oranges. He keeps all of the 44 oranges in a box. He packs all of the apples equally into 4 crates.
  a. How many apples does Mr. Chan buy?
  - **b.** How many apples are packed into each crate?

Jane has 24 stickers.
Adam has 56 stickers.
They put all of their stickers equally into 5 boxes.
How many stickers does each box have?

6. Michael has 64 cartons of milk. He packs the cartons equally into 8 boxes. He sells each carton for \$3. How much money does Michael earn for each box of milk?

Date:	
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### Write a word problem using the bar models. Then solve the problem.





Name: .

Date: \_\_\_\_



### Solve. Use letters to represent the unknown numbers.



**9.** A box contains 56 marbles.

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

Felix divides them equally in groups so that each group has 4 marbles. How many groups are there in all?



There are \_\_\_\_\_ groups in all.

Name:	
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- 10. Dom sold 4 times as many oranges as Eugene.Dom had 85 oranges at first. After selling some, he had 9 oranges left.
  - a. How many oranges did Dom sell?



Dom sold \_\_\_\_\_ oranges.

**b.** How many oranges did Eugene sell?



Eugene sold \_\_\_\_\_ oranges.

Name:	Date:

- Sue broke 6 flower pots and had 36 flower pots left. She could arrange her flower pots into 7 equal rows if she had not broken any.
  - a. How many flower pots did Sue have at first?

**b.** How many flower pots would there be in each row?

Name:	
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- **12.** Lee has 224 baseball cards and Chad has 276 baseball cards. They put the baseball cards equally in 4 packets.
  - a. How many baseball cards do Lee and Chad have altogether?

**b.** How many are there in each packet?