

# Homework

1/14 - 1/18

\* Packet due 1/18 \*

\* No Spelling  
this week \*

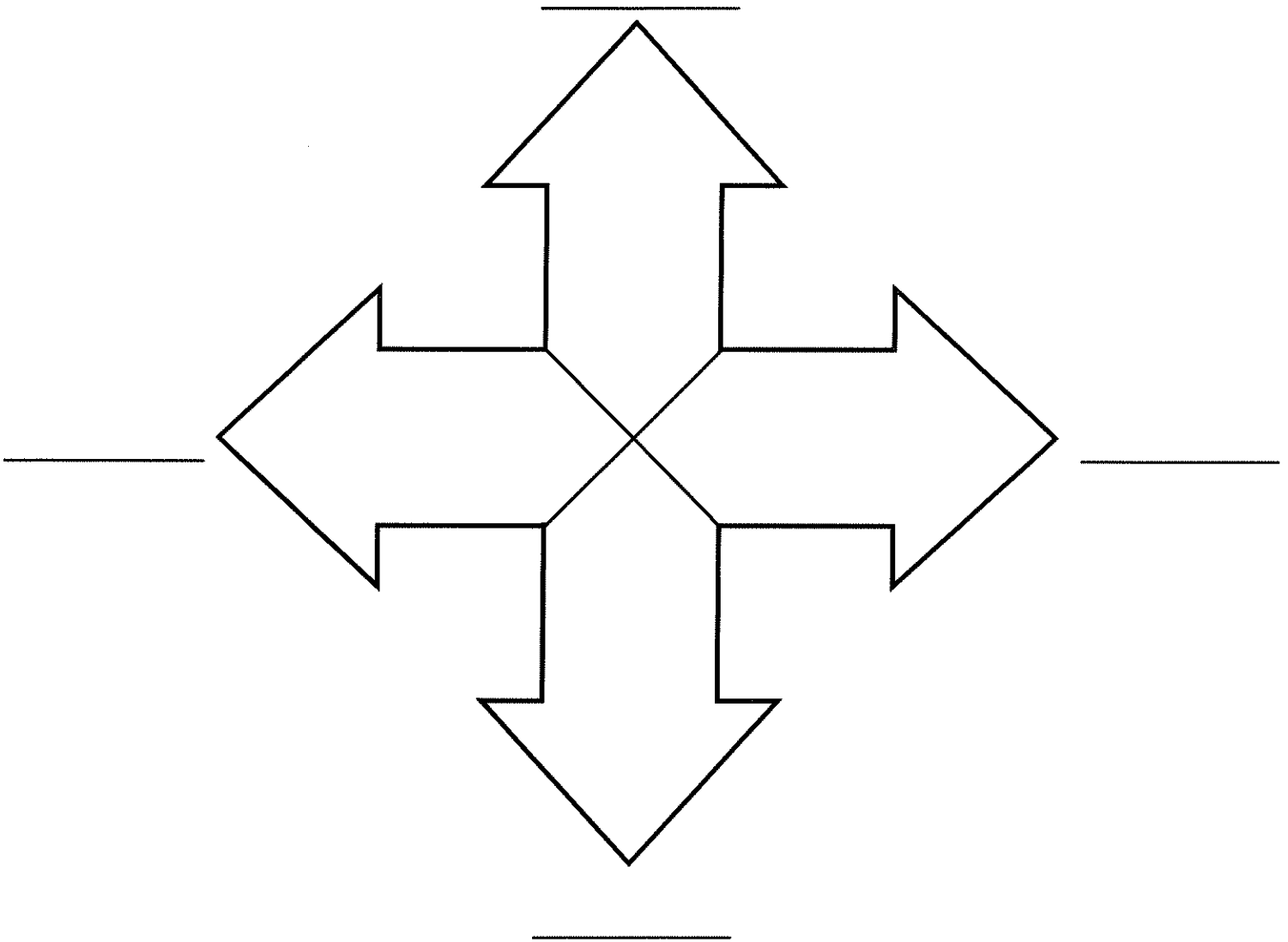
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Name: \_\_\_\_\_ Num. \_\_\_\_\_ Date: \_\_\_\_\_

## The Compass Rose

Carson-Dellosa

This is a compass rose. It tells the directions on a map. There are four arrows. Each arrow points in a different direction. These are called cardinal directions. Read the directions. Color and label each arrow correctly.

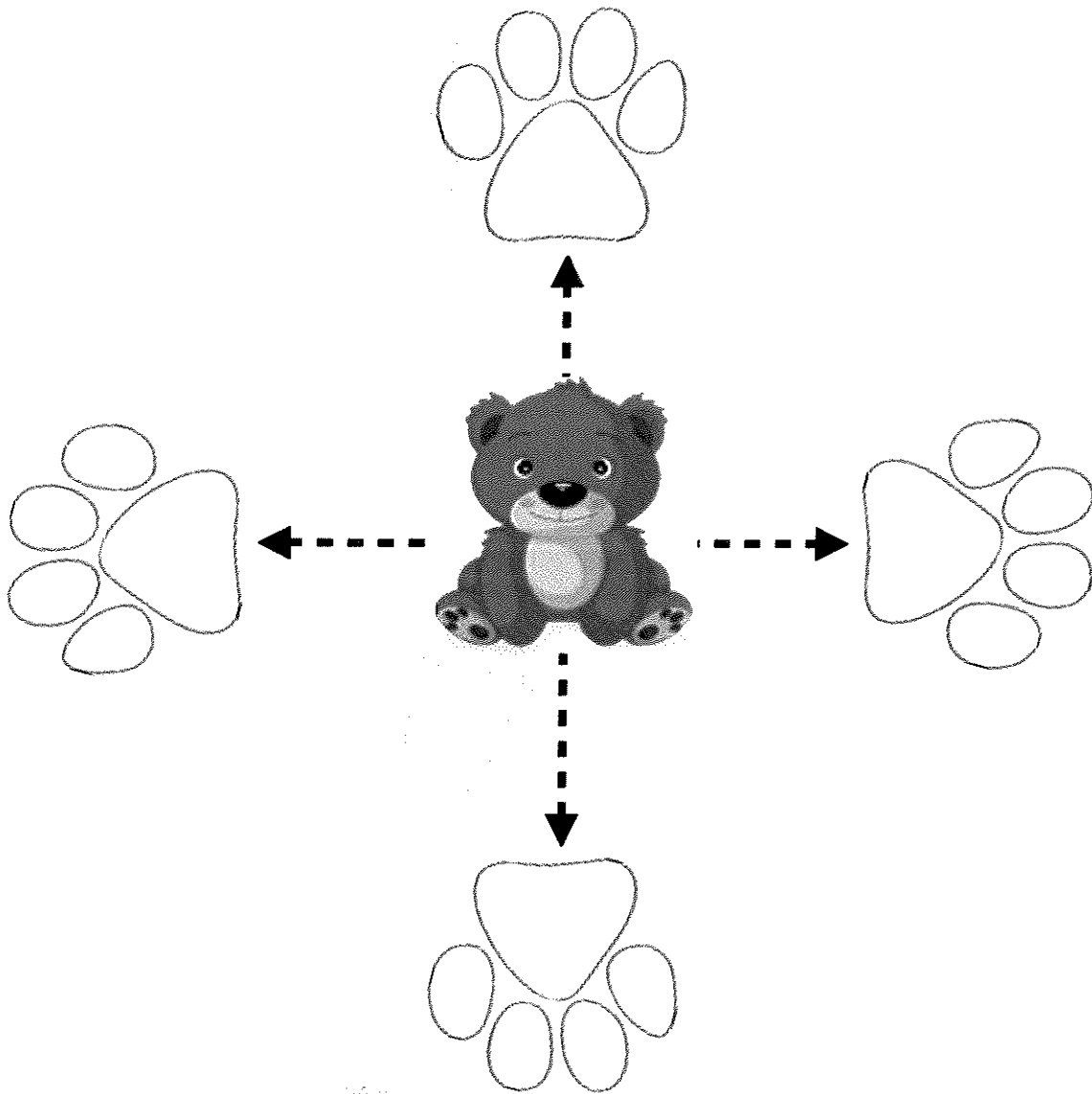


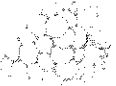



1. The arrow that points up is north. Color it blue and label it NORTH.
2. The arrow that points down is south. Color it red and label it SOUTH.
3. The arrow that points to the right is east. Color it green and label it EAST.
4. The arrow that points to the left is west. Color it orange and label it WEST.

## The Compass Rose

Carson-Dellosa

The little bear cub is hungry for a snack. Read the clues. In each bear paw print, draw a picture of the snack he will find if he goes in that direction. Use the compass rose on page 6 to help you.



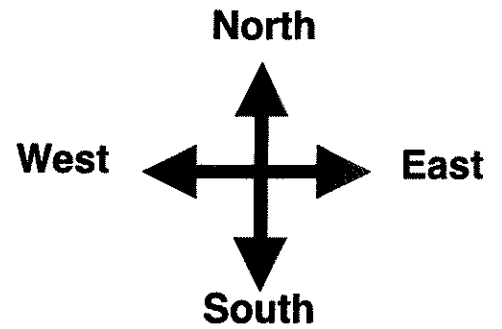
1. He will find grapes  to the west.
2. He will find cookies  to the south.
3. He will find fish  to the north.
4. He will find honey  to the east.

Name: \_\_\_\_\_ Num. \_\_\_\_\_ Date: \_\_\_\_\_

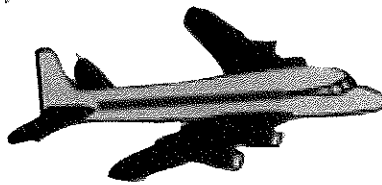
## Look to the Sky

Carson-Dellosa

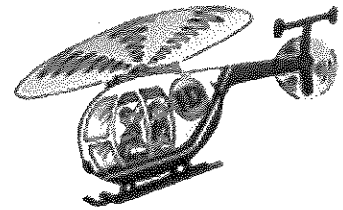
Mr. McGill took his students on a field trip to the airport. A boy in his class drew this map of the things they saw.



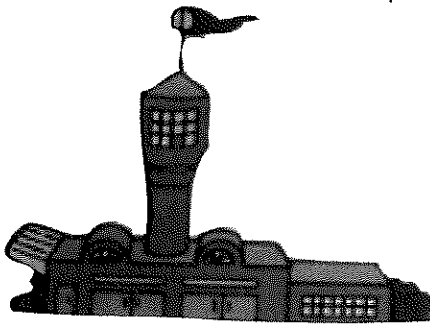
Airport Map



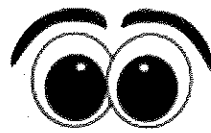
jet airliner



helicopter



control tower



propeller plane

Directions: Write north, south, west, or east to complete each sentence.

1. Look \_\_\_\_\_ to see the jet airliner.
2. Look \_\_\_\_\_ to see the control tower.
3. Look \_\_\_\_\_ to see the propeller plane.
4. Look \_\_\_\_\_ to see the helicopter.

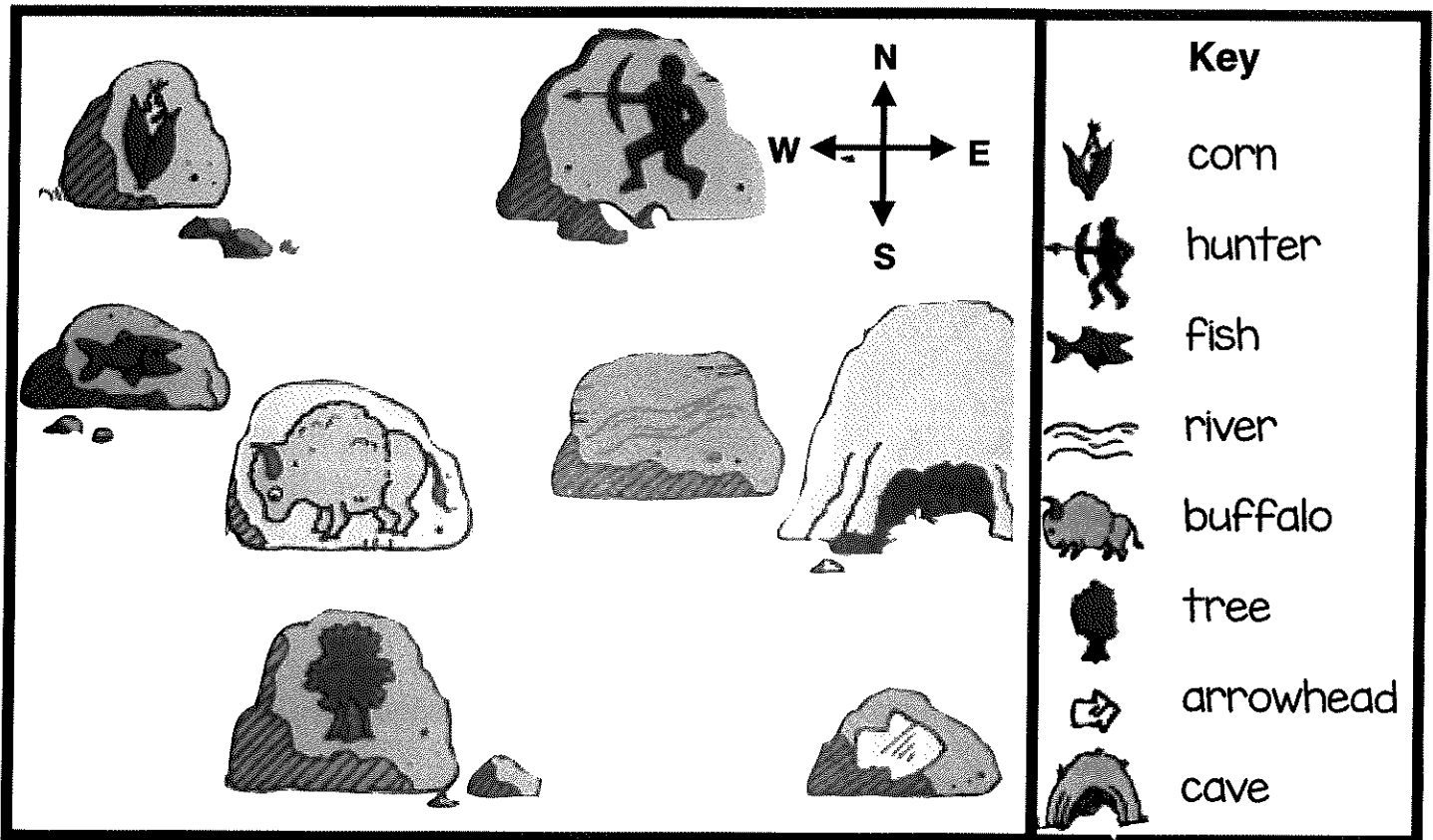
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## Sign Search

Carson-Dellosa

Gina went for a hike. She found a piece of paper. There were strange directions written on it. Then, she looked around and saw pictures drawn on the rocks in the area. Aha! The paper she had found was a route to follow. Read the directions and draw the route on the map.

### Map



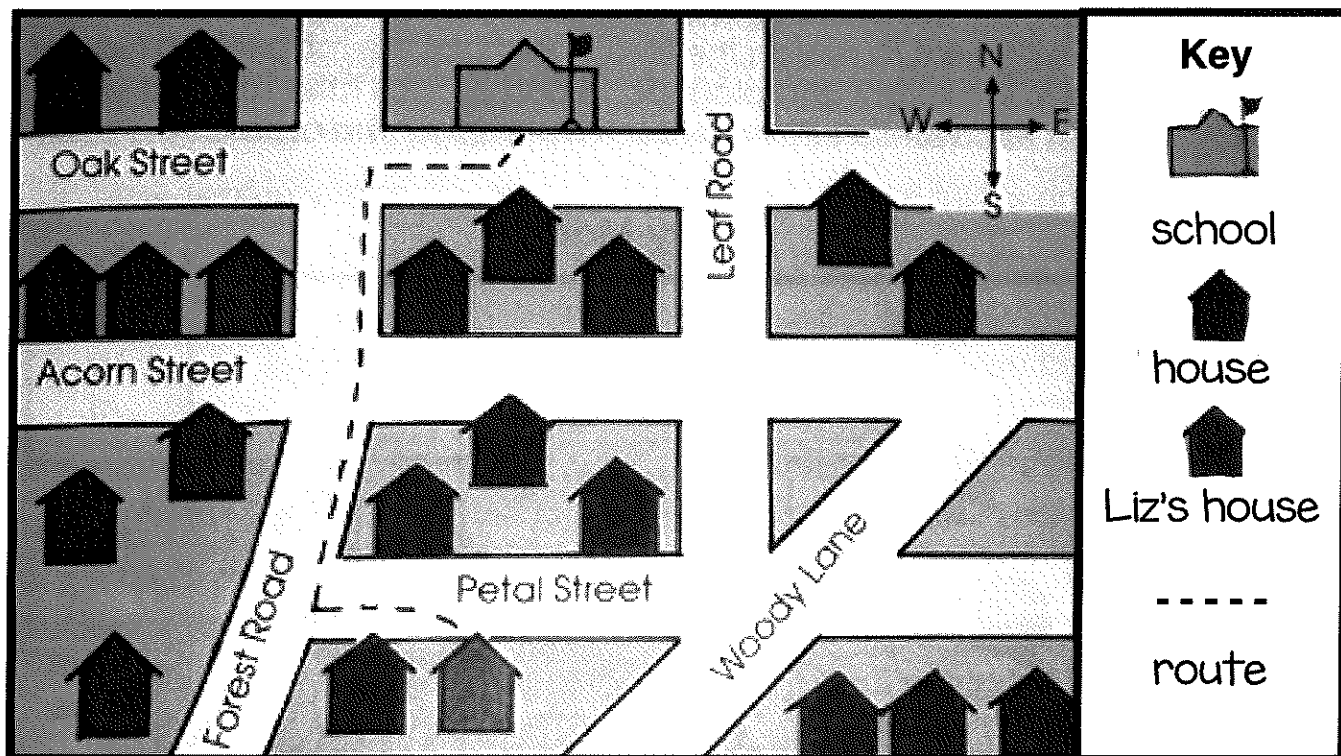
1. Start at the fish.
2. Go north to the corn.
3. Then go east to the hunter.
4. Go south to the river.
5. Go west to the buffalo.
6. Go south to the tree.
7. Go east to the arrowhead.
8. Go north to the cave.
9. Draw a picture on the cave to show the treasure chest Gina finds there.

Name: \_\_\_\_\_ Num. \_\_\_\_\_ Date: \_\_\_\_\_

## You're Invited

Carson-Dellosa

Liz sent out invitations to her birthday party. She drew a map to show how to go from school to her house.



Directions: Write north, south, east, or west and the street name to complete each sentence.

1-2. Leave the school and go \_\_\_\_\_ along \_\_\_\_\_  
\_\_\_\_\_

3-4. Turn \_\_\_\_\_ onto \_\_\_\_\_

5-6. Then, turn \_\_\_\_\_ onto \_\_\_\_\_

7. On which street would you not travel to reach Liz's house? \_\_\_\_\_  
\_\_\_\_\_

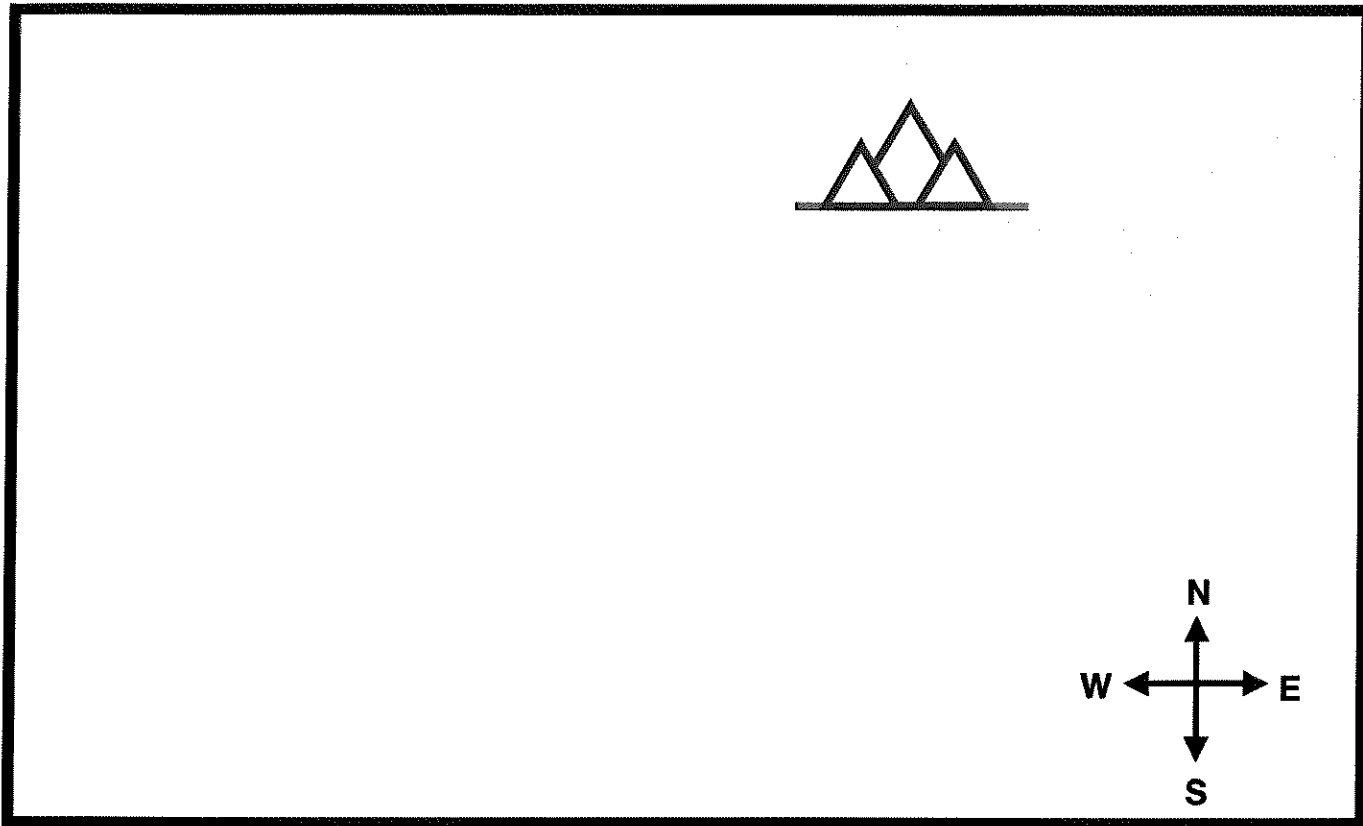
8. How many houses are on Oak Street? \_\_\_\_\_

Name: \_\_\_\_\_ Num. \_\_\_\_\_ Date: \_\_\_\_\_










# What Do Hikers See?

Carson-Dellosa



Follow the directions to complete this area map.





**Key**




 lake	 mountain	 tree
 island	 river	 tent
 person	 cabin	 boat



1. Draw a big  west of the .

2. Draw 6  south of the .

3. Draw an  in the middle of the .

4. Draw 10  south of the .

5. Draw a  between the  and the .

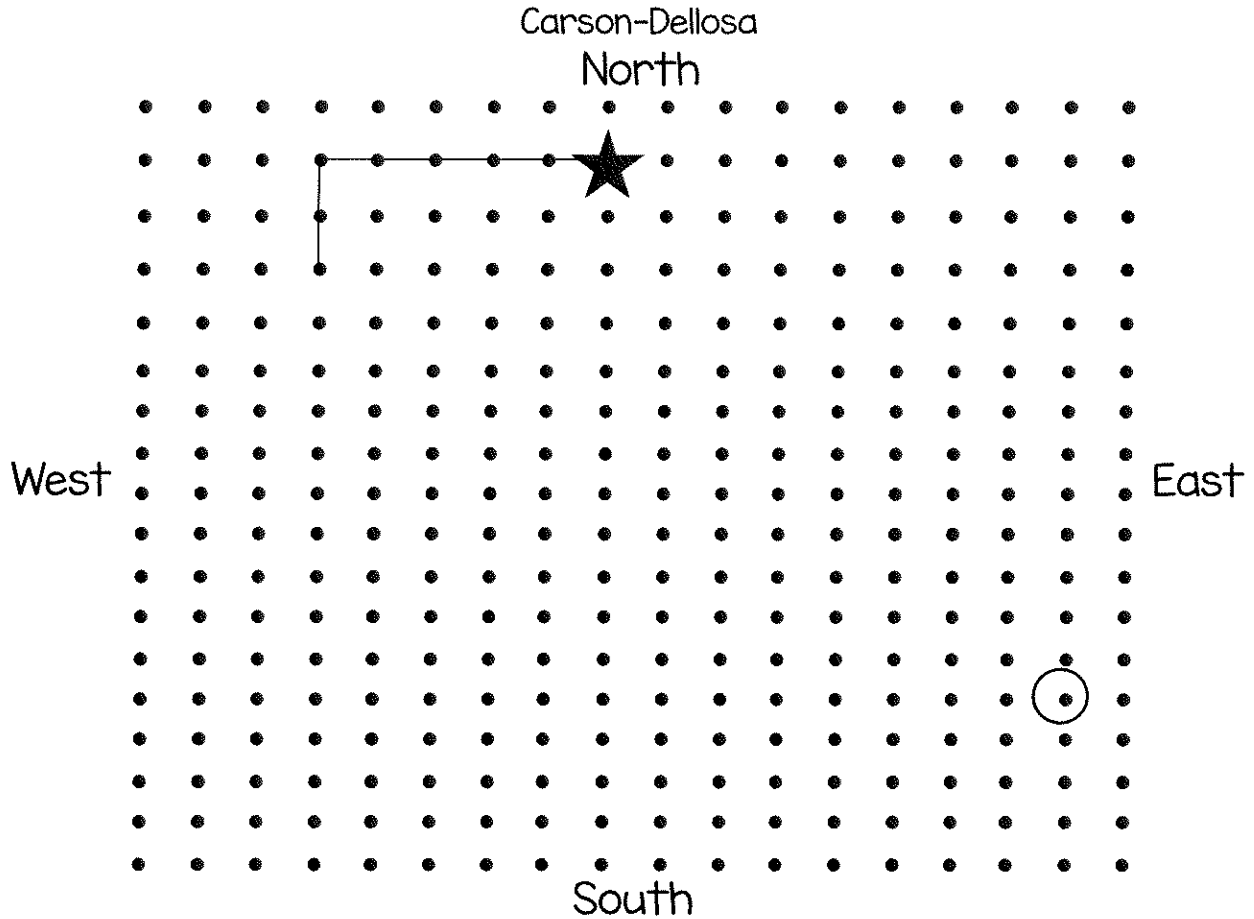
6. Draw 2  on the east side of the .

7. Draw 2  south of the 6 .

8. Draw 3  south of the .



### Following Directions of a Compass Rose



Directions: Follow the instructions below in order to complete a drawing. Begin at the star. The first two steps are done for you.

Draw a straight line:

- |                       |                                    |
|-----------------------|------------------------------------|
| 1. Five spaces west.  | 6. Nine spaces north.              |
| 2. Two spaces south.  | 7. Four spaces east.               |
| 3. Four spaces east.  | 8. Two spaces north.               |
| 4. Nine spaces south. | 9. Five spaces west.               |
| 5. Two spaces east.   | 10. What letter did you draw? ____ |

Begin at the circle to complete another drawing:

Draw a straight line:

- |                        |                                   |
|------------------------|-----------------------------------|
| 1. Four spaces south.  | 4. One space west.                |
| 2. One space west.     | 5. One space north                |
| 3. Three spaces north. | 6. Two spaces east.               |
|                        | 7. What number did you draw? ____ |

Name \_\_\_\_\_

**Associative Property of Multiplication**

COMMON CORE STANDARD CC.3.OA.5

Understand properties of multiplication and the relationship between multiplication and division.

Write another way to group the factors.

Then find the product.

1.  $(3 \times 2) \times 5$

$3 \times (2 \times 5)$

30

2.  $(4 \times 3) \times 2$

\_\_\_\_\_

\_\_\_\_\_

3.  $2 \times (2 \times 8)$

\_\_\_\_\_

\_\_\_\_\_

4.  $9 \times (2 \times 1)$

\_\_\_\_\_

\_\_\_\_\_

5.  $2 \times (3 \times 6)$

\_\_\_\_\_

\_\_\_\_\_

6.  $(4 \times 2) \times 5$

\_\_\_\_\_

\_\_\_\_\_

Use parentheses and multiplication properties.

Then, find the product.

7.  $9 \times 1 \times 5 =$  \_\_\_\_\_

8.  $3 \times 3 \times 2 =$  \_\_\_\_\_

9.  $2 \times 4 \times 3 =$  \_\_\_\_\_

10.  $5 \times 2 \times 3 =$  \_\_\_\_\_

11.  $7 \times 1 \times 5 =$  \_\_\_\_\_

12.  $8 \times 2 \times 3 =$  \_\_\_\_\_

13.  $7 \times 2 \times 3 =$  \_\_\_\_\_

14.  $4 \times 1 \times 3 =$  \_\_\_\_\_

15.  $10 \times 2 \times 4 =$  \_\_\_\_\_

**Problem Solving****REAL WORLD**

16. Beth and Maria are going to the county fair. Admission costs \$4 per person for each day. They plan to go for 3 days. How much will the girls pay in all?

17. Randy's garden has 3 rows of carrots with 3 plants in each row. Next year he plans to plant 4 times the number of rows of 3 plants. How many plants will he have next year?

Name \_\_\_\_\_

**Patterns on the Multiplication Table**

COMMON CORE STANDARD CC.3.OA.9

Solve problems involving the four operations, and identify and explain patterns in arithmetic.

Is the product even or odd? Write *even* or *odd*.

1.  $2 \times 7 =$  even      **Think:** Products with 2 as a factor are even.
2.  $4 \times 6 =$  \_\_\_\_\_      3.  $8 \times 3 =$  \_\_\_\_\_
4.  $2 \times 3 =$  \_\_\_\_\_      5.  $9 \times 9 =$  \_\_\_\_\_      6.  $5 \times 7 =$  \_\_\_\_\_      7.  $6 \times 3 =$  \_\_\_\_\_

Use the multiplication table. Describe a pattern you see.

8. in the column for 5

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

9. in the row for 10

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

10. in the rows for 3 and 6

\_\_\_\_\_

\_\_\_\_\_

×	0	1	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10
2	0	2	4	6	8	10	12	14	16	18	20
3	0	3	6	9	12	15	18	21	24	27	30
4	0	4	8	12	16	20	24	28	32	36	40
5	0	5	10	15	20	25	30	35	40	45	50
6	0	6	12	18	24	30	36	42	48	54	60
7	0	7	14	21	28	35	42	49	56	63	70
8	0	8	16	24	32	40	48	56	64	72	80
9	0	9	18	27	36	45	54	63	72	81	90
10	0	10	20	30	40	50	60	70	80	90	100

**Problem Solving** **REAL WORLD**

11. Carl shades a row in the multiplication table. The products in the row are all even. The ones digits in the products repeat 0, 4, 8, 2, 6. What row does Carl shade?

\_\_\_\_\_

12. Jenna says that no row or column contains products with only odd numbers. Do you agree? Explain.

\_\_\_\_\_

\_\_\_\_\_

Name \_\_\_\_\_

## Multiply with 8

COMMON CORE STANDARD CC.3.OA.7

Multiply and divide within 100.

Find the product.

1.  $8 \times 10 = \underline{80}$     2.  $8 \times 8 = \underline{\quad}$     3.  $8 \times 5 = \underline{\quad}$     4.  $3 \times 8 = \underline{\quad}$

5.  $\underline{\quad} = 4 \times 8$     6.  $8 \times 7 = \underline{\quad}$     7.  $6 \times 8 = \underline{\quad}$     8.  $\underline{\quad} = 9 \times 8$

9. 
$$\begin{array}{r} 8 \\ \times 2 \\ \hline \end{array}$$

10. 
$$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$$

11. 
$$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$$

12. 
$$\begin{array}{r} 0 \\ \times 8 \\ \hline \end{array}$$

13. 
$$\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$$

14. 
$$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$$

15. 
$$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$$

16. 
$$\begin{array}{r} 8 \\ \times 3 \\ \hline \end{array}$$

17. 
$$\begin{array}{r} 8 \\ \times 1 \\ \hline \end{array}$$

18. 
$$\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$$

## Problem Solving **REAL WORLD**

19. There are 6 teams in the basketball league. Each team has 8 players. How many players are there in all?

\_\_\_\_\_

20. Lynn has 4 stacks of quarters. There are 8 quarters in each stack. How many quarters does Lynn have in all?

\_\_\_\_\_

21. Tomas is packing 7 baskets for a fair. He is placing 8 apples in each basket. How many apples are there in all?

\_\_\_\_\_

22. There are 10 pencils in each box. If Jenna buys 8 boxes, how many pencils will she buy?

\_\_\_\_\_

Name \_\_\_\_\_

**Multiply with 9**

COMMON CORE STANDARD CC.3.OA.7

Multiply and divide within 100.

Find the product.

1.  $10 \times 9 = \underline{90}$     2.  $2 \times 9 = \underline{\quad}$     3.  $9 \times 4 = \underline{\quad}$     4.  $0 \times 9 = \underline{\quad}$

5.  $1 \times 9 = \underline{\quad}$     6.  $8 \times 9 = \underline{\quad}$     7.  $9 \times 5 = \underline{\quad}$     8.  $6 \times 9 = \underline{\quad}$

9. 
$$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$$

10. 
$$\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$$

11. 
$$\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$$

12. 
$$\begin{array}{r} 2 \\ \times 9 \\ \hline \end{array}$$

13. 
$$\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$$

14. 
$$\begin{array}{r} 10 \\ \times 9 \\ \hline \end{array}$$

15. 
$$\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$$

16. 
$$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$$

17. 
$$\begin{array}{r} 6 \\ \times 9 \\ \hline \end{array}$$

18. 
$$\begin{array}{r} 9 \\ \times 1 \\ \hline \end{array}$$

**Problem Solving****REAL WORLD**

19. There are 9 positions on the softball team. Three people are trying out for each position. How many people in all are trying out?

\_\_\_\_\_

20. Carlos bought a book for \$9. Now he would like to buy 4 other books for the same price. How much will he have to pay in all for the other 4 books?

\_\_\_\_\_

Name \_\_\_\_\_

**Describe Patterns**

COMMON CORE STANDARD CC.3.OA.9

Solve problems involving the four operations, and identify and explain patterns in arithmetic.

Describe a pattern for the table. Then complete the table.

1.

<b>Pans</b>	1	2	3	4	5
<b>Muffins</b>	6	12	18	24	30

Add 6 muffins for each pan; Multiply the number of pans by 6.

2.

<b>Wagons</b>	2	3	4	5	6
<b>Wheels</b>	8	12	16		

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

3.

<b>Vases</b>	<b>Flowers</b>
2	14
3	
4	28
5	
6	42

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

4.

<b>Spiders</b>	<b>Legs</b>
1	8
2	
3	24
4	
5	40

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Problem Solving**



5. Caleb buys 5 cartons of yogurt. Each carton has 8 yogurt cups. How many yogurt cups does Caleb buy?

\_\_\_\_\_

6. Libby bought 4 packages of pencils. Each package has 6 pencils. How many pencils did Libby buy?

\_\_\_\_\_

# ALGEBRA

## Lesson 5.2

Name \_\_\_\_\_

### Find Unknown Factors

COMMON CORE STANDARD CC.3.OA.4

Represent and solve problems involving multiplication and division.

Find the unknown factor.

1.  $n \times 3 = 12$

Think: How many groups of 3 equal 12?

$n = \underline{4}$

2.  $s \times 8 = 64$

$s = \underline{\hspace{2cm}}$

3.  $21 = 7 \times n$

$n = \underline{\hspace{2cm}}$

4.  $y \times 2 = 18$

$y = \underline{\hspace{2cm}}$

5.  $5 \times p = 10$

$p = \underline{\hspace{2cm}}$

6.  $56 = 8 \times t$

$t = \underline{\hspace{2cm}}$

7.  $m \times 4 = 28$

$m = \underline{\hspace{2cm}}$

8.  $\triangle \times 1 = 9$

$\triangle = \underline{\hspace{2cm}}$

9.  $18 = 6 \times r$

$r = \underline{\hspace{2cm}}$

10.  $u \times 5 = 30$

$u = \underline{\hspace{2cm}}$

11.  $4 \times \square = 24$

$\square = \underline{\hspace{2cm}}$

12.  $w \times 7 = 35$

$w = \underline{\hspace{2cm}}$

13.  $b \times 6 = 54$

$b = \underline{\hspace{2cm}}$

14.  $5 \times \triangle = 40$

$\triangle = \underline{\hspace{2cm}}$

15.  $30 = d \times 3$

$d = \underline{\hspace{2cm}}$

16.  $7 \times k = 42$

$k = \underline{\hspace{2cm}}$

### Problem Solving

17. Carmen spent \$42 for 6 hats. How much did each hat cost?

\_\_\_\_\_

18. Mark has a baking tray with 24 cupcakes. The cupcakes are arranged in 4 equal rows. How many cupcakes are in each row?

\_\_\_\_\_