

Name _____

Date _____



Brain Strain

Warning! This puzzle has been known to create serious brain strain. Approach with caution and be sure to use a pencil with a large eraser.

Find each product. Write the product in the puzzle. Each digit can occupy only one square in the puzzle. The first product has been done for you.

$$\begin{array}{r} 14 \\ \times 26 \\ \hline 364 \end{array}$$

$$\begin{array}{r} 29 \\ \times 31 \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ \times 14 \\ \hline \end{array}$$

$$\begin{array}{r} 56 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ \times 17 \\ \hline \end{array}$$

$$\begin{array}{r} 175 \\ \times 36 \\ \hline \end{array}$$

$$\begin{array}{r} 349 \\ \times 15 \\ \hline \end{array}$$

$$\begin{array}{r} 215 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 201 \\ \times 43 \\ \hline \end{array}$$

$$\begin{array}{r} 307 \\ \times 23 \\ \hline \end{array}$$

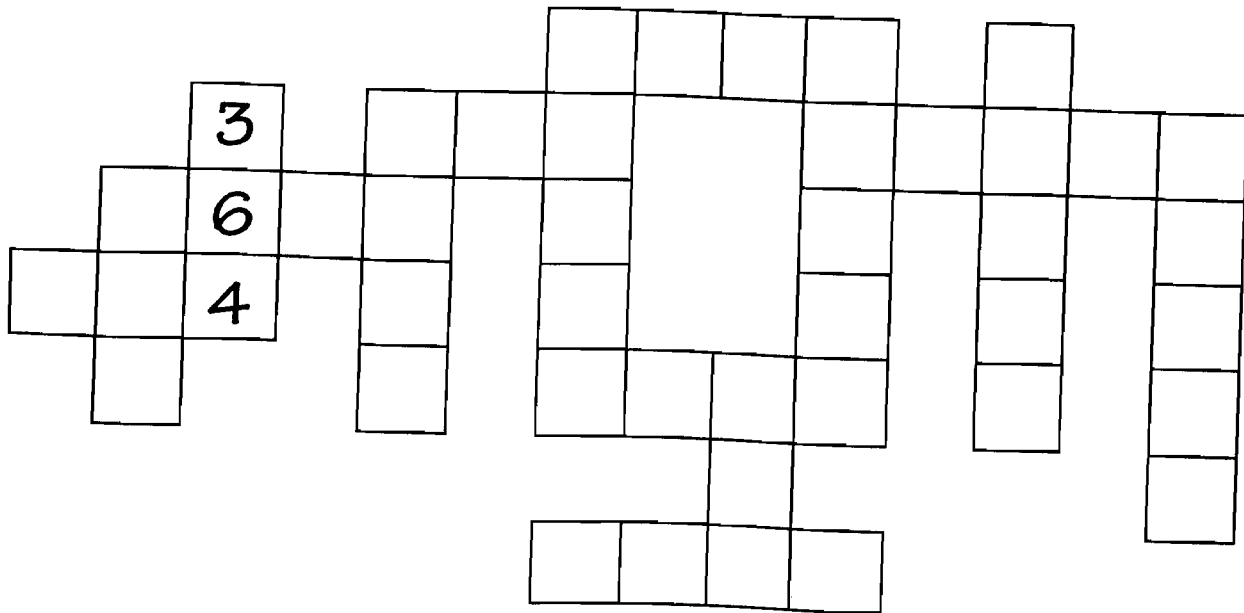
$$\begin{array}{r} 617 \\ \times 53 \\ \hline \end{array}$$

$$\begin{array}{r} 595 \\ \times 86 \\ \hline \end{array}$$

$$\begin{array}{r} 201 \\ \times 71 \\ \hline \end{array}$$

$$\begin{array}{r} 582 \\ \times 91 \\ \hline \end{array}$$

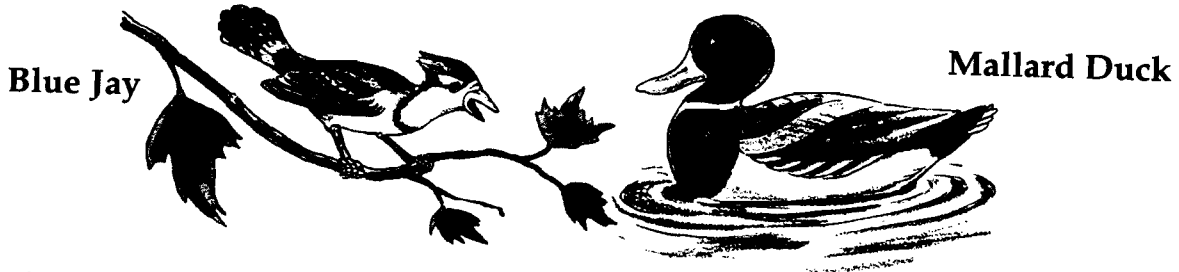
$$\begin{array}{r} 489 \\ \times 34 \\ \hline \end{array}$$



Unit 2 Comprehension

Comparing and Contrasting

To compare means to identify likenesses. To contrast means to identify differences.



A. Study the birds shown in the picture.

1. Compare the birds by listing two ways in which they are alike.

a. _____

b. _____

2. Contrast the birds by listing two ways in which they are different.

a. _____

b. _____

B. Read the following paragraph. Then list two ways in which the hornbill and the mallee fowl are alike and two ways in which they are different.

The African hornbill and the Australian mallee fowl have unusual nest-building habits. The mallee's nest is built of many layers, with each egg resting on a different layer. The hornbill's nest has hardened mud walls. Within these nests, the eggs incubate—the mallee eggs for about seven weeks, and the hornbill eggs for five weeks.

After the two kinds of chicks hatch, both must dig through barriers. The mallee chick must dig through the layers of the nest to the top. The hornbill chick must peck through the hard mud walls to escape.

Likenesses

1. _____

2. _____

Differences

1. _____

2. _____

BASEBALL LINEUP

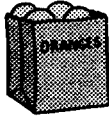

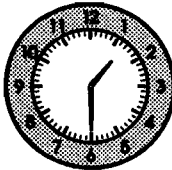
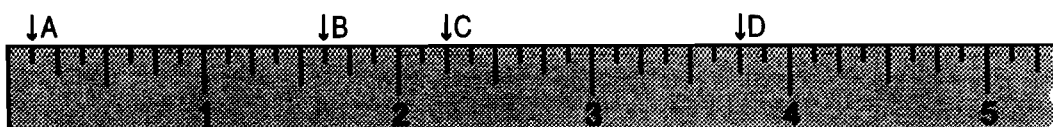
All nine players on the Panther baseball team are sitting on the bench in their batting order. Using the clues below, find their batting order.

1. Jeff is batting fifth, and David will bat before Carlos.
2. Jordi sits between David and Greg, and Andrew is to the right of Jeff.
3. Greg bats after Jordi but before Andrew.
4. Phil sits next to Carlos.
5. Carlos and Tom are at each end of the bench.

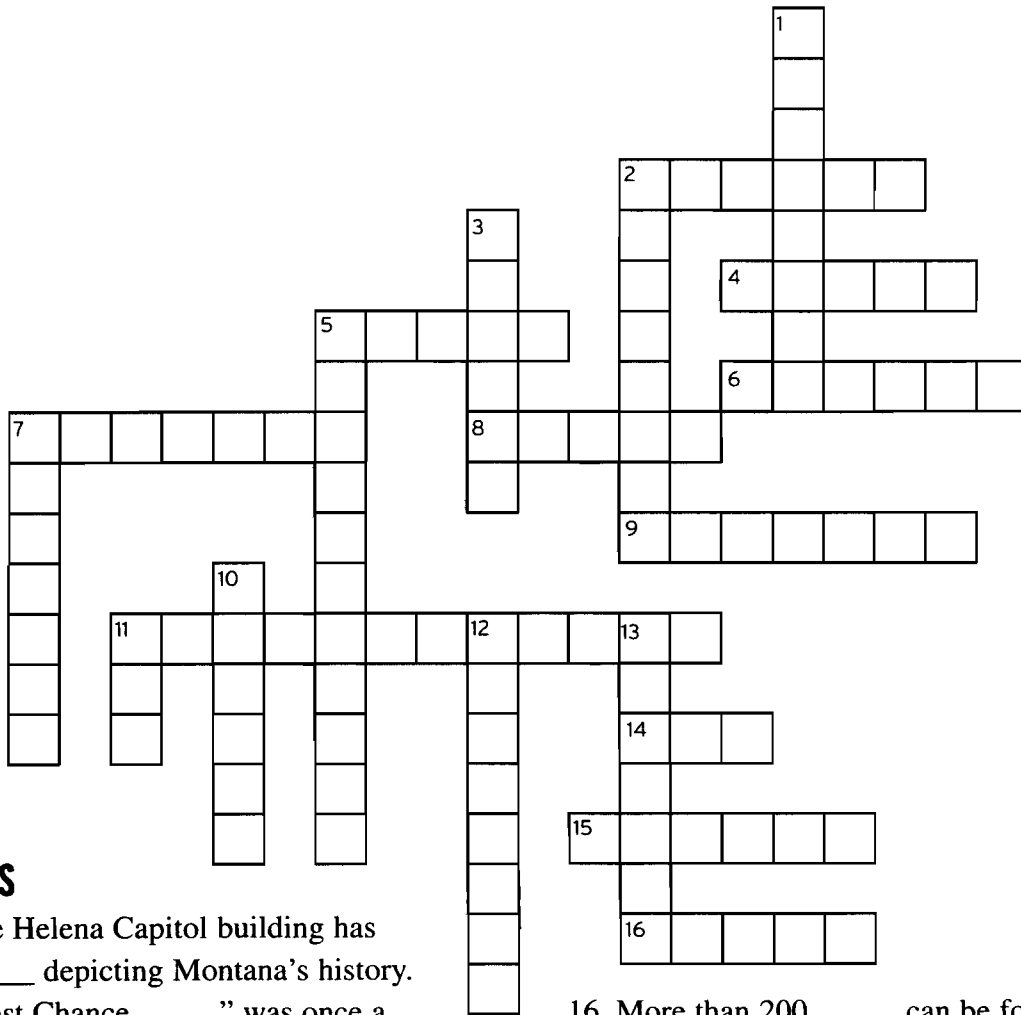
	1	2	3	4	5	6	7	8	9
Jeff									
David									
Carlos									
Jordi									
Greg									
Andrew									
Phil									
Tom									
Luis									

Name _____

Score _____

1 Basic Facts	$4 + 4 =$ $12 - 6 =$ $6 \times 6 =$ $0 \times 4 =$ $8 + 8 =$ $5 + 4 =$ $13 - 9 =$ $2 \times 7 =$ $4 \times 2 =$ $9 + 3 =$ $3 + 7 =$ $6 - 2 =$ $9 \times 2 =$ $1 \times 9 =$ $10 + 5 =$		
2 Algorithms	$\begin{array}{r} 7,081 \\ + 7,089 \\ \hline \end{array}$ $\begin{array}{r} \$70.43 \\ - 55.50 \\ \hline \end{array}$ $\begin{array}{r} 500 \\ \times 5 \\ \hline \end{array}$ $4 \overline{)37}$ $\begin{array}{r} 3 \text{ hrs } 25 \text{ min} \\ + 2 \text{ hrs } 45 \text{ min} \\ \hline \end{array}$		
3 Estimating Rounding	<p style="text-align: center;">Round to the nearest ten dollars.</p> $\$67.58 \approx$ _____ $\$96.42 \approx$ _____ $\$8.16 \approx$ _____ $\$191.29 \approx$ _____ $\$4.98 \approx$ _____		
4 Story Problems	<p>We bought a bag of 18 oranges. Mom used a third of them to make orange juice. How many were left?</p> 		
5 Equivalent Fractions	 _____ = _____ <div style="margin-left: 100px;"> <p>Multiply numerator and denominator by 2 to get an equivalent fraction.</p> $\frac{2}{3} =$ </div>		
6 Vocabulary Concepts Facts	<table border="1" style="width: 100%;"> <tr> <td style="width: 20%; padding: 5px;"> Know and Spell tons ounces least numerator denominator total - difference </td> <td style="padding: 5px;"> A. In $\frac{5}{8}$, the eight is called the _____. B. The greatest amount is the (smallest, largest) number. C. How many feet in one mile? _____ D. Subtract to find the _____ between numbers. E. A small elephant weighs about two _____. </td> </tr> </table>	Know and Spell tons ounces least numerator denominator total - difference	A. In $\frac{5}{8}$, the eight is called the _____. B. The greatest amount is the (smallest, largest) number. C. How many feet in one mile? _____ D. Subtract to find the _____ between numbers. E. A small elephant weighs about two _____.
Know and Spell tons ounces least numerator denominator total - difference	A. In $\frac{5}{8}$, the eight is called the _____. B. The greatest amount is the (smallest, largest) number. C. How many feet in one mile? _____ D. Subtract to find the _____ between numbers. E. A small elephant weighs about two _____.		
7 Fractional Parts	$\frac{1}{4}$ of 24 $\frac{1}{4}$ of 32 $\frac{1}{4}$ of 20 $\frac{1}{4}$ of 0 $\frac{1}{4}$ of 16		
8 Place Value Numeration	A. What is one less than 1000? _____ B. Write twenty thousand. _____ C. Complete this. $34,250 = 30,000 +$ _____ $+$ _____ $+$ _____ D. Write a 5-digit number with a 2 in the thousands place. _____ E. Write the largest 3-digit number. _____		
9 Other Important Topics	 A. What time is shown on the clock? _____ B. What time will it be in 45 minutes? _____ C. If we just had lunch, is the time A.M. or P.M.? _____ D. How long is it until 3:00? _____ E. What was the time 30 minutes earlier? _____		
10 Rulers	<p>A is at _____. B is at _____. C is at _____. D is at _____. Put E at $4\frac{1}{2}$.</p> 		

Montana Crossword Puzzle



ACROSS

2. The Helena Capitol building has _____ depicting Montana's history.
4. "Last Chance _____" was once a name for the city of Helena.
5. W.A. _____ was known as the "Copper King."
6. New Jersey has many more _____ per square mile than Montana.
7. The battle that ended Custer's life was fought at Little _____.
8. The _____ Indians defeated General Custer's forces.
9. Montana has more _____ per square mile than people.
11. _____ are trained firefighters that parachute into fire areas.
14. Montana is known as "Big _____ Country."
15. _____ is the capital of Montana.

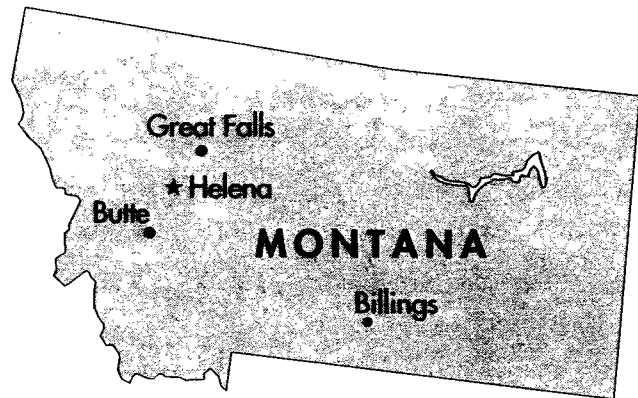
16. More than 200 _____ can be found in Glacier National Park.

DOWN

1. Montana's nickname is the _____ State.
2. The University of Montana is in _____.
3. The U.S. _____ Service trains smoke-jumpers.
5. In Glacier National Park, the _____ Divide is found at Logan Pass.
7. The _____ Trail went through Indian lands.
10. Butte is famous for its _____ mines.
11. The Going-to-the-_____ Highway rises to 6,680 feet.
12. In Spanish, Montana means _____.
13. Charles M. _____ was a noted painter of the American West.

MONTANA (MT)

Treasure State



Fast Facts

State Capital: Helena
Population: 902,195 (Census 2000)
Land Area: 145,552 square miles
Year Admitted to the Union: 1889



State Flag



If you divide Montana's population by its square miles, you get the average number of people living in each square mile of Montana—about six. In contrast, New Jersey has about 1,100 people per square mile. This difference is one of the many features that draw people to “The

Big Sky Country.” Montana (Spanish for “mountain”) has lots of exhilarating space.

The hardy residents of Montana are outnumbered by animals. Almost all species of mammals in the U.S. can be found in Glacier National Park, home to 50 glaciers and 200 lakes. The park's Going-to-the-Sun Highway is a wild ride with sheer drop-offs and hairpin curves. The road ascends 6,680 feet to the Continental Divide at Logan Pass.

In Missoula, home of the University of Montana, the U.S. Forest Service maintains its Smokejumper Base. In the summer of 2000, smokejumpers were called to aid firefighters in battling one of the worst forest fires in U.S. history.

Nearby Helena was once named “Last Chance Gulch.” Four discouraged prospectors found gold there, on what is now Main Street. The discovery of copper in Butte made the city and “Copper King” W.A. Clark rich. His 32-room mansion is now a national landmark. The Capitol building has murals depicting Montana's history, including “Lewis and Clark Meeting Flathead Indians at Ross Hole” by painter Charles M. Russell.

Relationships between American Indians and Montana's settlers and the U.S. Army were not always peaceful. The Bozeman Trail, a route used to reach Montana and Idaho's gold mines, went through Indian lands guaranteed by treaties. Indians rose to defend their territory, killing several travelers and Bozeman himself. Similar hostilities led to “Custer's Last Stand.” General George Custer attacked the Sioux Indians and lost his life. Montana's Little Bighorn National Monument commemorates the battle.

