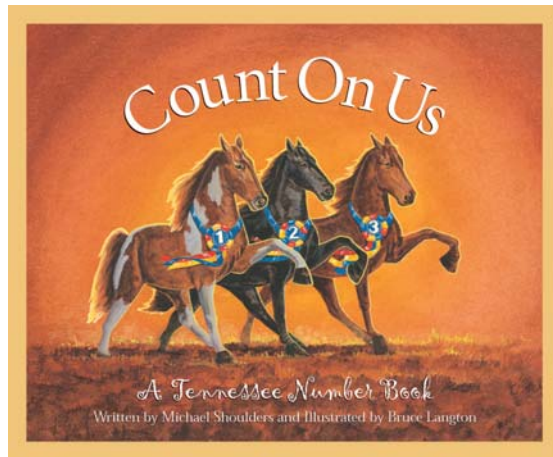


Teacher's Guide



Count On Us A Tennessee Number Book

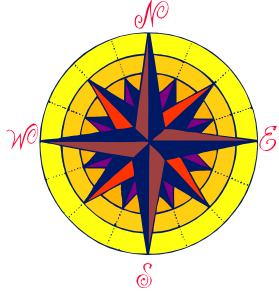
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Which Direction Is It?

The book *Count On Us* shows all of the states that border Tennessee. How many states touch the border of Tennessee? _____

A compass rose in the book and at the top of this sheet can be helpful when finding the direction of each state that borders Tennessee.

Write the direction of each state as related to Tennessee.

Directions- N, NE, E, SE, S, SW, W, NW. The directions show North at the top followed by East, South, and West.

1. Kentucky _____
2. Missouri _____
3. Georgia _____
4. Alabama _____
5. North Carolina _____
6. Mississippi _____
7. Arkansas _____
8. Virginia _____
9. Atlantic Ocean _____
10. Pacific Ocean _____
11. Your home state _____



RACE CAR COUNTING MATH

Do you enjoy watching car races? Auto racing is one of the most popular sports in our country. Discover some statistics about the Bristol Motor Speedway in *Count On Us*.

Use the cars on page 20 to help you solve these problems.

20 cars: How many groups of each number and how many left over.

1. Count by 3's _____ remainder _____
2. Count by 5's _____ remainder _____
3. Count by 7's _____ remainder _____
4. Count by 9's _____ remainder _____
5. Count by 2's _____ remainder _____
6. Count by 4's _____ remainder _____
7. Count by 6's _____ remainder _____
8. Count by 8's _____ remainder _____
9. Count by 10's _____ remainder _____



TENNESSEE CROSSWORD

The answers to this crossword can be found throughout the wonderful book about Tennessee, *Count On Us*.

T _____
E _____
N _____
N _____
E _____
S _____
S _____
E _____
E _____

1. Tennessee's NFL football team _____
2. Fall Creek Falls is the tallest waterfall in the _____ half of the United States.
3. Fireflies turn on their lights at _____
4. A type of race held at Bristol Motor Speedway _____
5. A scene found in a museum _____
6. Author of *Count On Us* Michael _____
7. Location of a car manufacturing plant _____
8. Moon pies are good to _____
9. The American Bald Eagle is a species of _____

Just the Facts, Please

Just the Facts, Please

As you read *Count On Us*, you will learn about many insects, fish, and animals that can be found in Tennessee.

Write 3 facts you found about each animal below.

Firefly

Channel Catfish

Eastern Box Turtle



TENNESSEE TITAN FOOTBALL MATH

Many states have professional football teams. In Tennessee it's the Titans. Discover more about this team and their fans in *Count On Us*.

Solve these problems. 1 yard = 3 feet

1. The Tennessee Titans were playing a game against the Detroit Lions. The Titans ran 15 yards for a touchdown. How many feet did they run? _____
2. On the kickoff the Lions gained 43 yards. How many feet did they gain?

3. The Titans sacked the Lions quarterback and the Lions lost 33 feet. How many yards did they lose? _____
4. The Lions quarterback passed the ball for a gain of 5 yards. How many feet did he gain? _____
5. The Titans are on the 50 yard line. They move the ball 60 feet toward their goal line. What yard line are they now on? _____
Remember the yard lines get smaller as you get nearer the goal.

Did You Know

Have fun as you read the book *Count On Us*. There are many interesting pictures and facts throughout this enjoyable book.

Choose a word from the box to complete each sentence.

graphite	canter	mussels
passion flower	largemouth bass	
ladybugs	zinc	music
Paris	Peabody	

1. Found inside pencils _____
2. Pearls are found in these _____
3. A relaxed horse gallop _____
4. Name of the hotel where ducks live in a Duck Palace _____
5. Home to the “World’s Largest Fish Fry” _____ Tennessee
6. Have a red and black shell to protect them _____
7. Used by Native Americans to help cuts and bruises _____
8. Tennessee game fish _____
9. Used to make pennies _____
10. Represented on Tennessee state quarter _____



How Does Cotton Grow?

People love the soft feel of cotton on their skin. That is because it is a natural material that breathes. Do you know how cotton grows? Learn all about cotton in *Count On Us*.

Draw and label the steps that it takes to grow cotton from seed to market. There are five steps.

1.

2.

3.

4.

5.



Experience an Assembly Line

Tennessee is the home to two car assembly plants. The book *Count On Us* will inform you which plants they are and why they are important. What makes an assembly plant efficient?

Do a classroom simulation of an assembly line.

Materials needed

Use cardboard or railroad board to make enough of the following so that each student has a set.

2 hamburger bun pieces

1 hamburger patty

1 piece of lettuce

2 pieces of tomato

1 onion slice

3 pickles

Give each child a set. Have them work in pairs with one assembling the hamburger and the other timing them.

The hamburger must be made in this order:

Bun, patty, lettuce, tomato, onion, pickles, bun

After each pair has their times, collect pieces and put class in groups of six to put the hamburgers together as an assembly line. Each line should do six burgers. Time the teams.

Discuss the pluses and minuses the students felt about building the individual burgers compared to the assembly line.

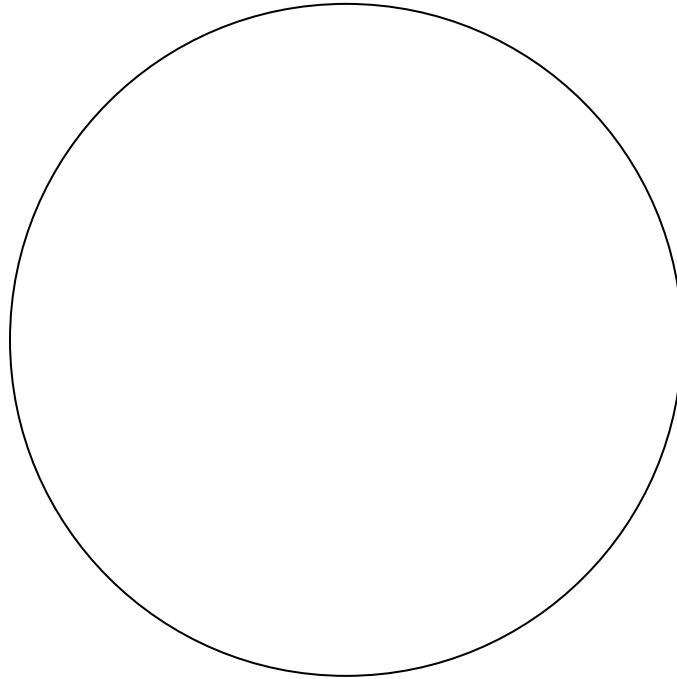
What are the advantages and disadvantages to an assembly line?

How does this teamwork carry over into sports? cheerleading? choir?

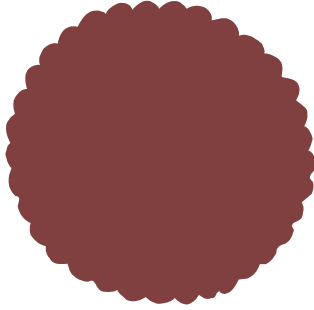
THIS IS TENNESSEE!

The United States Treasury is minting commemorative quarters for each of the states in the United States. Maybe you have started a collection of the quarters. Read *Count On Us* to find a picture of the quarter that represents Tennessee. You will find what each symbol on the coin represents.

Pretend the Treasury has now decided to make commemorative fifty cent pieces. Use the information found in *Count On Us* to design a half dollar that will represent the state. Don't use the symbols found on the quarter.



Explain your choices _____



MOON PIE MADNESS

Survey and Graph

Have you ever eaten a Moon Pie? If you don't know what a Moon Pie is, you can find out in the book *Count On Us*.

Survey 35 students to find their favorite flavor of moon pie (add your family to the survey).

Chocolate

Banana

Vanilla

Use the data you collected in the survey to make a bar graph showing the results. Remember to label the graph and make it colorful.



100 Pennies

Tennessee plays a very important role in the production of pennies. Discover why Tennessee is important in the book *Count On Us*.

Students will do various tasks concerning pennies.

Materials needed- 100 pennies per child.

1. A decade is 10 years. How many decades do you estimate will be represented in your pennies? _____

Estimate which decade will have the most pennies _____

Divide your pennies into decades- 1920s, 1930s, 1940s etc.

Which decade had the most pennies? _____

2. Write the actual number of pennies you had in each decade.

1920 _____ 1930 _____ 1940 _____ 1950 _____

1960 _____ 1970 _____ 1980 _____ 1990 _____

2000 _____

3. The first letter of the city where the pennies were minted can usually be found right beneath the date. D stands for Denver, S for San Francisco and P for Philadelphia.

Write the number of pennies you had for each mint.

D _____ S _____ P _____ No mint stamp _____

Put your pennies in groups of 5. How many groups do you have? _____

Groups of 15 _____ how many left over? _____



Create a Recipe for Sunshine Salad

Tennessee is noted for a wonderful dessert called Moon Pie. Learn more about this treat and how it was invented in *Count On Us*.

It's your turn to invent a healthy snack salad.
Write a complete recipe for making a "Sunshine Salad."

_____’s recipe for Sunshine Salad

Count On Us Answer Sheet

Name the Direction- 1) N 2) NW 3) SE 4) S 5) E 6) SW 7) W 8) NE
9) E 10) W

Race Car Counting Math- 1) 6 r 2 2) 4 r 0 3) 2 r 6 4) 2 r 2 5) 10 r 0
6) 5 r 0 7) 3 r 2 8) 2 r 4 9) 2 r 0

Tennessee Crossword- 1) Titans 2) eastern 3) night 4) NASCAR 5) exhibit
6) Shoulders 7) Smyrna 8) eat 9) eagle

Just the Facts, Please- Firefly- beetle- flash light to warn predators of their bitter taste,
live only 2 months, special light on the underside of their abdomen

Eastern Box Turtle- top shell called carapace, bottom shell called plastron, colors-black,
brown, tan, olive- splotches- yellow, orange, red- hinged shell- 5-6 inches long- state
reptile- live up to 60 years

Channel Catfish- state commercial fish- live in streams- eight feelers or barbells around
mouth- barbells help find food at night- make nest in tunnels in stream banks or under
logs

Tennessee Titan Football Math- 1) 45 ft. 2) 129 ft. 3) 11 yds. 4) 15 ft. 5) 30 yard
line

Did You Know- 1) graphite 2) mussels 3) canter 4) Peabody 5) Paris 6)
ladybugs 7) passion flower 8) large mouth bass 9) zinc 10) music

How Does Cotton Grow- 1) seed 2) blossoms 3) bolls 4) cotton exposed on bolls
5) cotton picked, cleaned, and pressed