Leboo is an adolescent member of the Maasai people in Kenya. He is preparing to hunt a lion with only a spear and shield. After the lion hunt, Leboo will be considered an adult in his Maasai community. In years past, and even now in certain places, young people were considered adults as soon as they completed a rite of passage, a special ceremony to mark a change of status. In the United States today, though, it is difficult to know when adulthood begins and childhood ends. The word “adult” is quite ambiguous, because the assignment of adult status varies across domains.

Most states have laws allowing marriage at the age of 18. But in some states, if a parent gives permission, girls can get married as young as 14.

The legal age for voting or joining the military is 18, but those under the age of 21 are not considered mature enough to buy alcohol or, in most states, to rent a car. And clients aged 21-25 are charged a large extra daily insurance fee by most car rental companies.

The Affordable Care Act allows parents to keep their children on their health insurance plans until they turn 26. This acknowledges that people under the age of 26 are less likely to have a stable job and lifestyle, typical markers of adulthood.

Due to their age, workers under 20 years old do not have to be paid the minimum wage during their first 90 days of work. This legal guideline is called the “youth minimum wage.” Therefore, you are not an adult until age 20 according to the U.S. Department of Labor.

In at least 22 states, if you commit a crime at the age of 8, you can be charged as an adult. In fact, almost 3,000 people under the age of 18, some as young as 13, have been sentenced to life in prison without parole. This means that children can be sentenced to spend the rest of their lives in jail because of something they did in middle school. In fact, on any given day 10,000 people under age 18 are in the same prison system as adults.

Questions for Classroom Discussion:
- Do you identify as a child, adult, or something else?
- Should there be one age at which all young people are considered to become adults? Or does it depend on the person?
- What does it mean to be an adult?
- Should it be possible for children to receive life sentences?
- What rights and responsibilities should children have? What rights and responsibilities should adults have?
USE THE FOCUS WORDS

**guideline (noun)** a rule

*Sample Sentence:* New school lunch guidelines include more fruits and vegetables.

*Turn and Talk:* What are some important guidelines for behavior at school?

**mature (adjective)** showing adult qualities

*Sample Sentence:* Those under the age of 21 are not considered mature enough to buy alcohol or rent a car.

*Turn and Talk:* How can middle school students show that they are mature?

**ambiguous (adjective)** having more than one meaning or interpretation

*Sample Sentence:* The word “adult” is ambiguous because the assignment of adult status changes according to the situation.

*Turn and Talk:* Why is it ambiguous to tell someone to come over “around dinner time”?

**due (to) (preposition)** because of; caused by

*Sample Sentence:* Due to their immaturity, twelve-year-olds are not allowed to drive.

*Turn and Talk:* Should students be barred from participating in sports due to low grades?

**status (noun)** rank, position, or standing

*Sample Sentence:* In certain places, young people are considered adults only after completing a rite of passage to mark their change of status.

*Turn and Talk:* Would having a female president improve the status of women in the United States?
DO THE MATH

More people die each year due to the harmful effects of cigarettes than from HIV, illegal drug use, alcohol, car accidents, and gun-related incidents combined. Cigarettes are especially addictive to the adolescent brain that is not yet mature. People who start smoking in childhood often become lifelong smokers and have a difficult time quitting later on. For this reason, strict guidelines limit tobacco advertising to children and it is illegal to sell tobacco products to people under the age of 18 in all U.S. states. Still, each day 3,900 children under 18 years of age will smoke their first cigarette, and 950 of them will become regular smokers.

Not only do many people start smoking as children, but thousands of children work picking tobacco, the plant that is used to make cigarettes! In the U.S., children as young as 12 can work on farms. Children who pick tobacco often report headaches, nausea, and dizziness. These are unambiguous signs of nicotine poisoning due to high levels of nicotine, the highly addictive chemical in cigarettes, absorbed through the skin. Toxic pesticides and heavy machinery present additional dangers to those picking tobacco.

Option 1: Which expression could be used to calculate the number of children who become regular smokers each year?

A. $950 + 365$
B. $3,900 ÷ 950$
C. $365 \times 3,900$
D. $365 \times 950$

Option 2: A group of children working on the Golden Dew Tobacco Farm was interviewed about how old they had been when they started picking tobacco. Their answers are below. Find the mean, median, and mode for this data set.

$(12, 15, 13, 12, 14, 13, 12, 14, 13)$

Mean: 13.1; Median: 13; Mode: 13

Discussion Question: Guidelines that restrict tobacco marketing are meant to protect young people from the harmful effects of smoking. At the age of 18, teenagers achieve a new status at which they are considered mature enough to assume the risks of tobacco use. But children as young as 12 can work in tobacco fields to earn money, often under dangerous conditions. Why are the same children who work in tobacco fields considered too young to buy tobacco in a store? Should there be one age at which children can buy tobacco and work in tobacco fields? Or should things stay the way they are?
The students in Mr. Seemy’s class were arguing about how ambiguous the status of adulthood is, and how varied the guidelines are for determining when someone is mature. They wondered whether there was any biological basis for defining adulthood. Raul, Lisa, and Aliyah found some articles about scientific research on brain development, and shared their findings with the class.

“The brain changes a lot as a person grows from childhood through adolescence and into adulthood,” said Raul. “One important change is in the amount of gray matter and white matter in the brain.”

Aliyah added, “The amount of gray matter peaks in the early teenage years, and then decreases as a person grows older. The amount of white matter increases. Gray matter in the brain is associated with learning.”

“So what causes the different appearance of gray matter and white matter?” Mr. Seemy asked. “How do they work differently?”

“Well, the brain is made of billions of nerve cells called neurons,” Lisa responded. “Gray matter is made up mainly of the cell bodies of neurons. White matter is made up mainly of the long tails of the neurons (called axons). These tails are coated with a fatty substance called myelin, which give them a white appearance.”

The illustration below shows the inside of two brains, labeled A and B. Based on the information above, which brain is the adolescent brain, and which is the adult brain? How do you know?

Brain A is most likely the adolescent brain because it has more gray matter, which peaks in the early teenage years. Brain B is most likely the adult brain because it has more white matter, which increases as someone gets older.

If the ratio of white to gray matter is a measure of how far one has gotten into adulthood, should we be using brain scans instead of chronological age to decide when people are allowed to drink alcohol, drive, and vote?
DEBATE THE ISSUE

Should there be one agreed upon legal age of adulthood for consuming alcohol, voting, driving, serving in the military, and being tried as criminal? Or is it justifiable to impose different guidelines for different domains?

Pick one of these positions (or create your own).

A  Yes, there should be one, legal age of adulthood that is the same for all domains.

OR

B  No, one agreed upon age of adulthood is unnecessary. Things are fine the way they are.

OR

CREATE YOUR OWN

Jot down a few notes on how to support your position during a discussion or debate.

—

Be a strong participant by using phrases like these:

—

Can you show me evidence in the text that...

—

You make a good point, but have you considered...

—

I believe that...

—

I agree with you, but...
TAKE A STAND

Support your position with clear reasons and specific examples. Try to use relevant words from the Word Generation list in your response.

guideline | mature | ambiguous | due | status

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