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# Root Words



Many words come from Greek or Latin **root words**. If you know the meaning of the root, you can understand many additional words.

Root	Meaning	Example	Root	Meaning	Example
act	put in motion	react	ject	throw	reject
aud	hear	audio	mit	send	transmit
dict	say	predict	vac	empty	vacant

**Draw a line to match each word to its definition.**

- |   |                    |
|---|--------------------|
| 1. a large hall where people listen to a performance    | <b>submit</b>      |
| an exchange between two people                          | <b>injection</b>   |
| to speak the opposite of                                | <b>auditorium</b>  |
| to clear everyone out of a building                     | <b>transaction</b> |
| to present something for review or a decision           | <b>contradict</b>  |
| something that is forced into the body through a needle | <b>evacuate</b>    |

**Complete each sentence with the correct word from the box.**

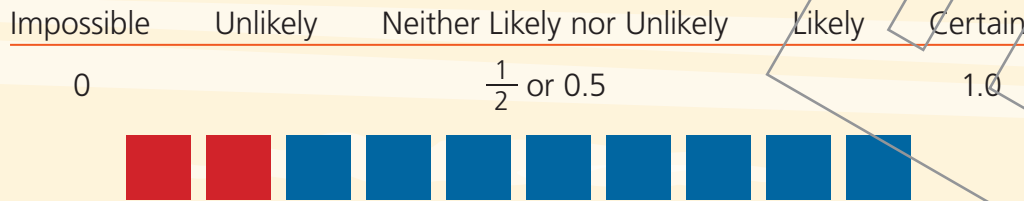
activate    ejected    emit    inaudible    vacuum    verdict

- These dark red roses \_\_\_\_\_ the most wonderful fragrance.
- When asked for their \_\_\_\_\_, the jury said the man was not guilty.
- Sign up now to \_\_\_\_\_ your free 30-day trial of our streaming service.
- Yulan spoke so softly that she was completely \_\_\_\_\_ to people nearby.
- As the test plane broke up, the pilot was \_\_\_\_\_ from his seat.
- Space isn't a true \_\_\_\_\_ because it contains planets, stars, and comets.

# Understanding Probability



**Probability** is the chance of something happening, expressed as a number between 0 and 1.



Picking a red square is unlikely. Picking a blue square is likely.  
Picking a square is certain. Picking a triangle is impossible.

**Write Impossible, Unlikely, Neither, Likely, or Certain to describe the probability in each situation.**

1. Desiree's cat had a litter of 5 black kittens. Sari was promised one. What is the probability of Sari choosing an orange kitten?  
\_\_\_\_\_
2. There are 3 girls and 4 boys on a project committee. A leader is chosen by pulling a name from a hat. What is the probability that it will be a boy?  
\_\_\_\_\_
3. In a box are 6 blue mugs, 3 red mugs, 2 black mugs, and 1 green mug. What is the probability of randomly picking a black mug?  
\_\_\_\_\_
4. On a table are 6 dishes of chocolate pudding and 6 dishes of vanilla pudding. What is the probability that Kristi will randomly pick a dish of coconut pudding?  
\_\_\_\_\_
5. Orlando has 8 one-dollar bills in his wallet and no other bills. What is the probability that he will pull a one-dollar bill from his wallet?  
\_\_\_\_\_
6. In a garden are 12 red tulips and 12 yellow tulips. Mrs. Cain randomly picks a tulip. What is the probability that it is red?  
\_\_\_\_\_
7. Winona has 8 gel pens. Of them, 3 are red, 3 are blue, and 2 are black. If Winona picks a pen randomly, what is the probability the pen is either red or blue?  
\_\_\_\_\_



Read the passage. Then answer the questions.

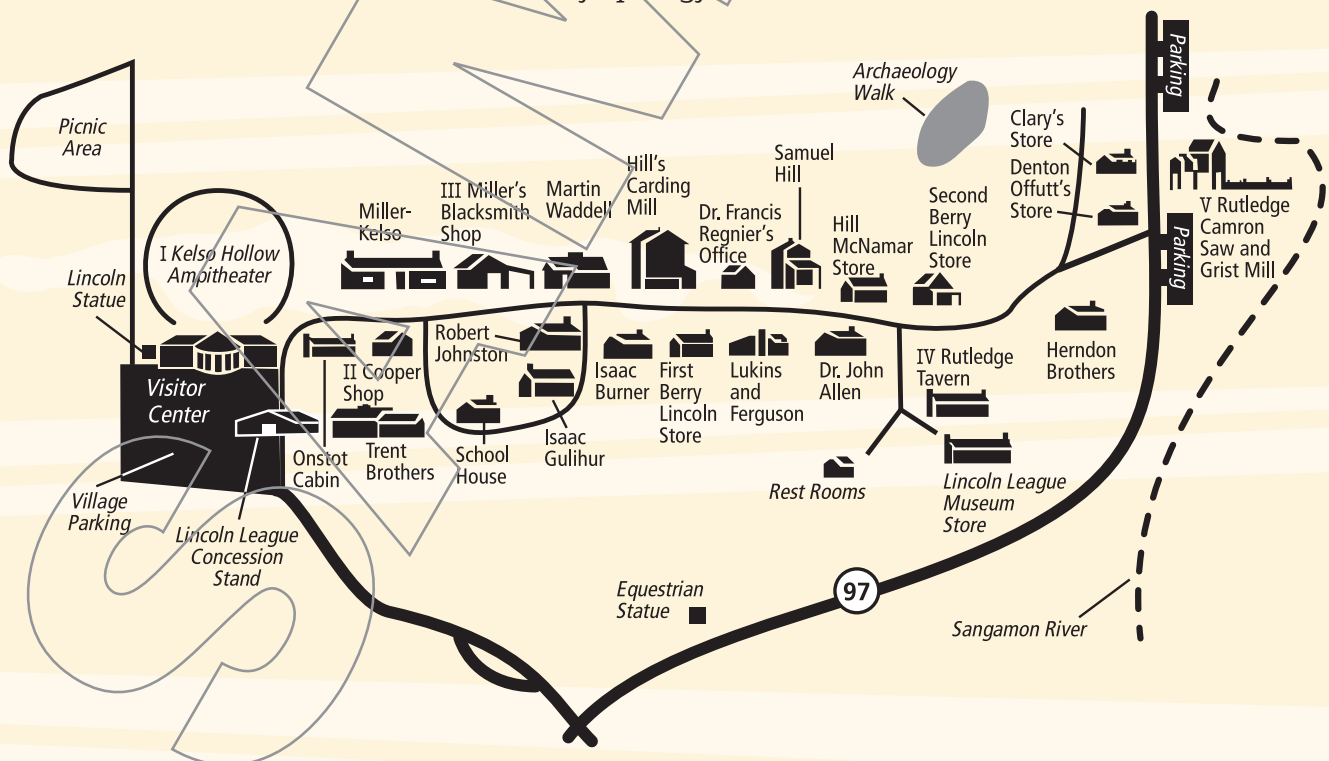
## Lincoln's New Salem Village

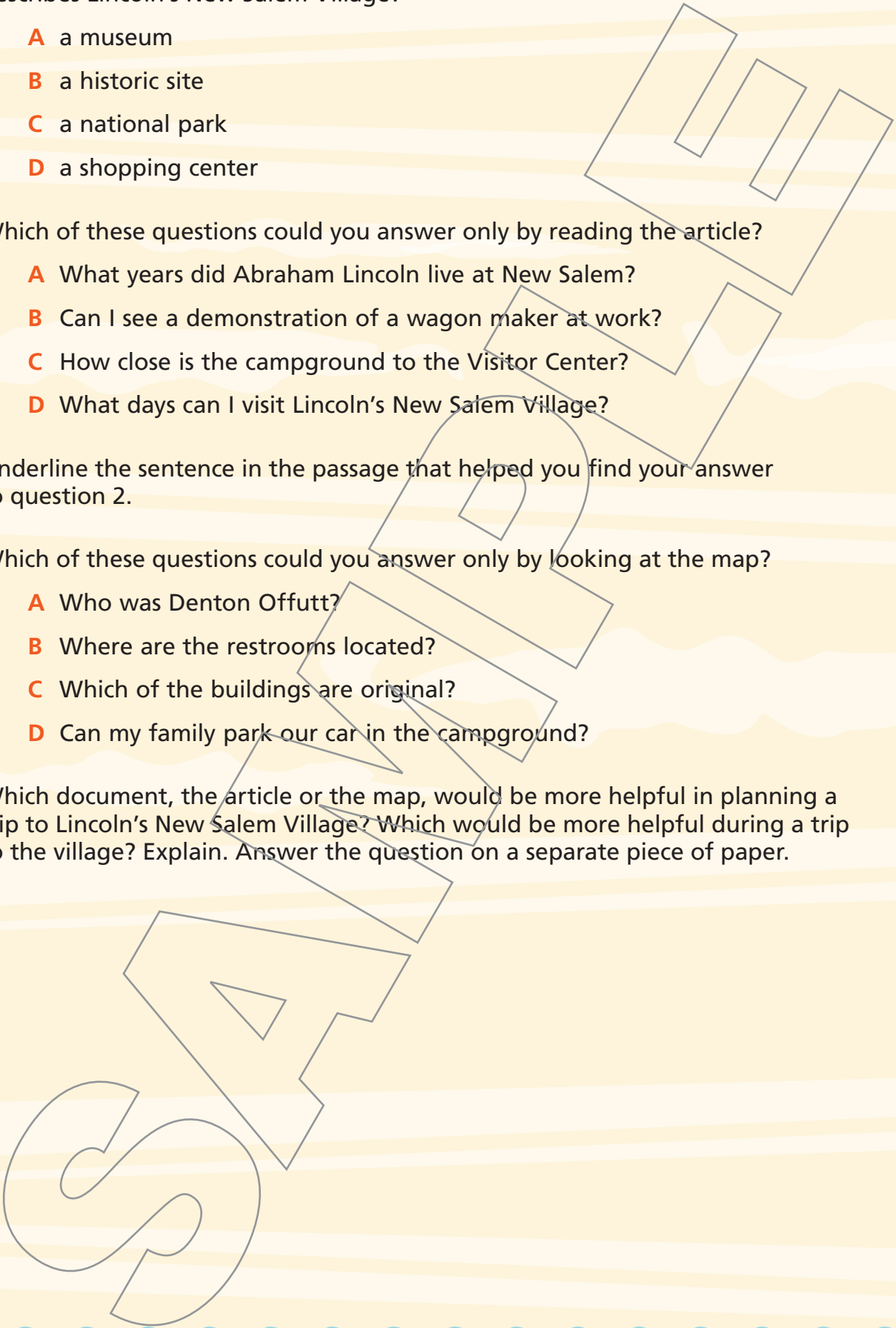


Lincoln's New Salem Historic Site is a reconstruction of the village where Abraham Lincoln spent his early adult life. It was built in the 1930s on some of the foundations of the original village. One building, Onstot's Cooper Shop, is original. Visitors can walk down Main Street and

explore such period locations as the store where Denton Offutt gave the 22-year-old Lincoln his first job in town; the Rutledge Tavern where young Abe "kept company" with James Rutledge's daughter, Ann; and the two general stores owned by Lincoln and William Berry. Buildings display authentic artifacts of Lincoln's time. Interpreters in costumes of the 1830s interact with visitors and demonstrate crafts of the period. Plays are performed in the amphitheater by an award-winning theater company. A campground accommodates both tent and motor vehicle camping. The site is open seven days a week from April 16 through Labor Day, and is closed Mondays, Tuesdays, and holidays the rest of the year.

*Lincoln's New Salem State Historic Site is located off State Route 97 at 15588 History Lane, Petersburg, IL 62675, about 20 miles northwest of Springfield.*



- 
1. Based on information in the article and the map, which of these best describes Lincoln's New Salem Village?
    - A a museum
    - B a historic site
    - C a national park
    - D a shopping center
  2. Which of these questions could you answer only by reading the article?
    - A What years did Abraham Lincoln live at New Salem?
    - B Can I see a demonstration of a wagon maker at work?
    - C How close is the campground to the Visitor Center?
    - D What days can I visit Lincoln's New Salem Village?
  3. Underline the sentence in the passage that helped you find your answer to question 2.
  4. Which of these questions could you answer only by looking at the map?
    - A Who was Denton Offutt?
    - B Where are the restrooms located?
    - C Which of the buildings are original?
    - D Can my family park our car in the campground?
  5. Which document, the article or the map, would be more helpful in planning a trip to Lincoln's New Salem Village? Which would be more helpful during a trip to the village? Explain. Answer the question on a separate piece of paper.

# Math End-of-Book Review

Solve.

1. Mark True or False for each equation and inequality.

$$a - 6 = 14 \text{ when } a = 20$$

True

☐

False

☐

$$4 + b > 6 \text{ when } b = 2$$

☐☐

$$5c = 30 \text{ when } c = 3$$

☐☐

$$d \div 2 < 6 \text{ when } d = 6$$

☐☐

2. Martin's gym locker is a rectangular prism 5 feet high,  $1\frac{1}{4}$  feet wide, and  $1\frac{1}{2}$  feet deep.

What is the volume of Martin's gym locker?

**A**  $5\frac{1}{8} \text{ ft}^3$

**B**  $5\frac{8}{15} \text{ ft}^3$

**C**  $7\frac{3}{4} \text{ ft}^3$

**D**  $9\frac{3}{8} \text{ ft}^3$

3. Solve.

$$12 + a = 15$$

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

$$7b = 42$$

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

$$c \div 0.5 = 18$$

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

$$d - 6 = 24$$

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