

# LEAP 2025

## Mathematics

2017 CBT Practice Test

Grade 3

Communication  
Assistance Script

This script is to be used by the Teacher, Test Administrator, or Interpreter to assist in signing the test for students who have the accommodation *Communication Assistance*. This is a secure document and must be kept in a locked, secure area before and after testing. It must be returned immediately to the School Test Coordinator after the scheduled testing has ended for the day. When testing is completed, the School Test Coordinator must return the script to the District Test Coordinator.

***Instructions for Signing the Test***

*This script is written as it should be signed to the student. Pause when <pause> is inserted in text.*

# Session 1

## **Mathematics**

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*For the answer choices in this question, please sign only the letters A, B, C, D.*

Question 1:

Each model equals one whole divided into equal parts. Which models show one-fourth shaded? *<pause>*

Select the **three** correct answers. *<pause>*

A.

B.

C.

D.

E.

F.

Question 2:

Drag and drop the correct area into the box below each shaded rectangle. *<pause>*

The labels around the rectangle on the left are: four feet, six feet. The labels around the rectangle in the middle are: four feet, seven feet. The labels around the rectangle on the right are: three feet, nine feet. *<pause>*

There is a box below each rectangle. *<pause>*

Twenty square feet, twenty-four square feet, twenty-seven square feet, twenty-eight square feet.

*For the answer choices in this question, please sign only the letters A, B, C, D.*

Question 3:

A model is divided into eight equal parts. Which model shows the correct shading of five-eighths? *<pause>*

- A.
- B.
- C.
- D.

Question 4:

Which **two** statements can be represented by the expression four times eight? *<pause>*

- A. A teacher puts eight chairs at each of four tables.
- B. Tom buys four red markers and eight black markers.
- C. Marie shares her eight marbles equally among four friends.
- D. There are four rows of flowers. There are eight flowers in each row.
- E. There are eight ducks in the pond. Then, four more ducks join them.

Question 5:

A boat ride across a lake is forty-nine minutes each way. How many minutes does the boat ride take to go across the lake and back? *<pause>*

- A. forty-nine
- B. fifty-one
- C. fifty-four
- D. ninety-eight

Question 6:

Which fractions represent the points shown on the number line? *<pause>*

Drag and drop the fractions into the boxes. *<pause>*

A number line is shown. The numbers below the number line are zero, one, two.  
*<pause>*

Five fourths, five eighths, three fourths, two eighths, two fourths, six fourths.

Question 7:

Enter your answer in the box. *<pause>*

$$3 \times 80 =$$

Three times eighty equals blank. *<pause>*

Question 8:

Which statements are true? *<pause>*

Select the **three** correct answers. *<pause>*

- A. six times six equals nine times four
- B. eight times eight equals nine times six
- C. nine times eight equals seven times six
- D. eighty-one divided by nine equals seventy-two divided by eight
- E. forty-eight divided by six equals sixty-four divided by eight



Question 9:

Eric measures ten oak leaves with a ruler. He records the lengths as shown. <pause>

Lengths of Oak Leaves (inches)				
$5\frac{1}{2}$	$6\frac{1}{2}$	$6\frac{1}{2}$	6	$5\frac{3}{4}$
$5\frac{1}{2}$	6	6	$5\frac{1}{2}$	6

Lengths of Oak Leaves, inches. <pause>

Five and one half, six and one half, six and one half, six, five and three fourths, five and one half, six, six, five and one half, six. <pause>

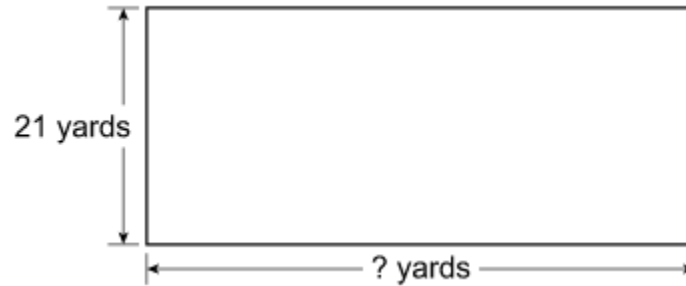
For each oak leaf, drag and drop an X onto the line plot to show the length. <pause>

A line plot is shown. The title of the line plot is Lengths of Oak Leaves. The numbers below the line are five, six, seven. The label below the line is Length of Leaf, inches.

Question 10:

**Part A** <pause>

The rectangular garden at River Valley School is represented in the figure. The perimeter of the garden is one hundred twenty-two yards. <pause>



The label to the left of the rectangle is 21 yards. The label below the rectangle is question mark yards. <pause>

What is the missing side length, in yards, in the figure? <pause>

Enter your answer in the box.

**Part B** <pause>

River Valley School builds a new rectangular garden with the same perimeter, but the side lengths are different. <pause>

Which of these could be the side lengths of the new garden?

- A. fifteen yards by forty-eight yards
- B. fourteen yards by forty-seven yards
- C. thirteen yards by fifty-seven yards
- D. fourteen yards by fifty-eight yards

Question 11:

Ken draws a rectangle with an area of thirty-five square inches. The width of the rectangle is five inches. *<pause>*

What is the length, in inches, of Ken’s rectangle? *<pause>*

Enter your answer in the box.

Question 12:

Jeanie has different colored buttons as shown. She wants to determine the total number of buttons she has altogether. *<pause>*

- twenty blue *<pause>*
- nineteen orange *<pause>*
- thirty-one red *<pause>*
- twenty-eight yellow *<pause>*

**Part A** *<pause>*

Jeanie explains there are a total of eight hundred eighteen buttons because zero plus nine plus one plus eight equals eighteen in the ones place, so she writes down eighteen. Then two plus one plus three plus two equals eight in the tens place, so she writes down eight in front of the eighteen. *<pause>*

Explain why Jeanie’s reasoning is incorrect. Find the total number of buttons she has altogether. *<pause>*

Enter your answer and your explanation in the box provided. *<pause>*

**Part B** *<pause>*

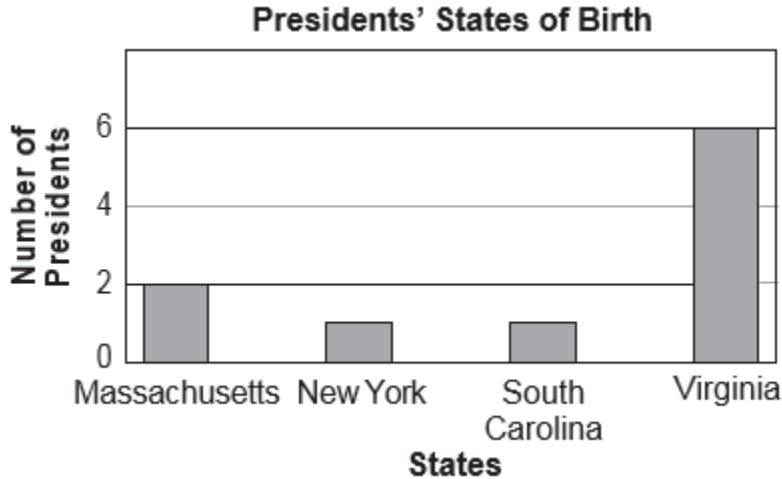
Jeanie explains there are twenty-eight more red buttons than orange buttons because the smaller number is always subtracted from the larger number. So she got nine minus one equals eight in the ones place and three minus one equals two in the tens place. *<pause>*

Explain why Jeanie’s reasoning is incorrect. Find how many more red buttons than orange buttons she has. *<pause>*

Enter your answer and your explanation in the box provided. *<pause>*

Question 13:

The first 10 presidents of the United States were born in four states. The bar graph shows the number of presidents born in each state. *<pause>*



The title of the bar graph is “Presidents’ States of Birth.” The x-axis label is States and shows four states: Massachusetts, New York, South Carolina, and Virginia. The y-axis label is Number of Presidents. *<pause>*

**Part A** *<pause>*

How many more presidents were born in Virginia than in New York? *<pause>*

Enter your answer in the box. *<pause>*

**Part B** *<pause>*

What is the difference between the number of presidents born in Massachusetts and the number of presidents born in New York and South Carolina together? *<pause>*

Enter your answer in the box.

Question 14:

Mr. Haley bought a total of thirty-six pictures. The pictures are only sold in packages. Each package came with four small pictures, three medium pictures, and two large pictures. *<pause>*

How many pictures were in each package? Show your work. *<pause>*

How many packages did he buy? Show your work. *<pause>*

Enter your answers and your work in the box provided.

# Session 2

## **Mathematics**

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Question 15:

The number sentences are related facts. <pause>

$$5 \times 3 = ?$$

$$? \div 3 = 5$$

Five times three equals question mark. <pause>

Question mark divided by three equals five. <pause>

What is the missing number? <pause>

- A. Two
- B. Eight
- C. Fifteen
- D. Twenty

Question 16:

A store has two different-sized fish tanks. One fish tank holds two hundred eighteen liters of water, and the other fish tank holds one hundred forty-five liters of water. What is the total number of liters for the two fish tanks? <pause>

- A. One hundred thirty-three liters
- B. One hundred seventy-three liters
- C. Three hundred fifty-three liters
- D. Three hundred sixty-three liters

Question 17:

Which **three** statements can be represented by the expression twenty-four divided by four? <pause>

- A. Jake makes twenty-four muffins. He gives away four muffins.
- B. Collin has twenty-four toy trucks. He sorts them into groups of four trucks each.
- C. Amira has twenty-four trading cards. She puts them into piles containing four cards each.
- D. Rosemary puts twenty-four stickers in each book. She uses enough stickers to fill four books.
- E. Steven fills a new bookshelf with twenty-four books. He puts the same number of books on each of the four shelves.

Question 18:

Which expressions are equal to the given expression? <pause>

$$157 + 748$$

One hundred fifty-seven plus seven hundred forty-eight <pause>

Select the **three** correct answers. <pause>

- A. One hundred fifty plus seven hundred fifty-five
- B. Two hundred plus seven hundred
- C. Ninety plus five
- D. Nine hundred plus five
- E. Parenthesis one hundred sixty plus seven hundred fifty parenthesis minus parenthesis three plus two parenthesis
- F. Parenthesis nine plus one hundred parenthesis plus parenthesis zero plus ten parenthesis plus parenthesis five plus one parenthesis

Question 19:

Enter your answers in the boxes. <pause>

Sixty-four divided by blank equals eight.

Four times eight equals blank.

Six times blank equals forty-two.

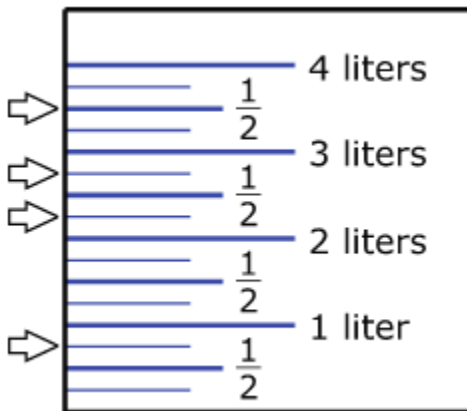
Blank divided by seven equals five.

Question 20:

Gwen pours about three liters of water into a container. <pause>

Select the arrow that shows about how much water Gwen poured into the container.

<pause>



The labels in the figure are four liters, one half, three liters, one half, two liters, one half, one liter, one half. <pause>

Question 21:

Drag and drop the **three** quadrilaterals into the box.

Question 22:

A brick path has ten rows of four bricks. How many bricks are in the path? *<pause>*

Enter your answer in the box.

Question 23:

Bryan has forty-eight cupcakes in six boxes. Each box holds an equal number of cupcakes. Bryan uses this equation to find how many cupcakes are in each box. *<pause>*

$$48 \div 6 = ?$$

Forty-eight divided by six equals question mark. *<pause>*

Create a different equation Bryan could use to find the number of cupcakes in each of the six boxes. *<pause>*

Select from the drop-down menus to correctly complete the equation. *<pause>*

Question mark, six, seven, forty-two, forty-eight; plus, minus, times, divided by; question mark, six, seven, forty-two, forty-eight; equals forty-eight.

Question 24:

Mr. Caden builds a fence around his rectangular backyard that is eight meters long and seven meters wide. *<pause>*

What is the perimeter, in meters, of the backyard? *<pause>*

Enter your answer in the box.

Question 25:

**Part A**

Freda buys horse food in twenty-kilogram bags. Her horse eats eight bags of horse food per month. *<pause>*

How much horse food, in kilograms, does Freda's horse eat in one month? *<pause>*

Enter your answer in the box.

**Part B**

Freda's horse has a mass of seven hundred eighty-two kilograms. Kurt's pony has a mass of three hundred fifty-nine kilograms. How much more mass, in kilograms, does Freda's horse have than Kurt's pony? *<pause>*

Enter your answer in the box.

Question 26:

Mia placed point  $P$  on the number line. <pause>



A number line is shown. The numbers below the number line are zero, one. The point on the number line is  $P$ . <pause>

- Give the value of the number  $P$  as a fraction. <pause>
- What does the denominator of your fraction represent on the number line? <pause>
- What does the numerator of your fraction represent on the number line? <pause>

Enter your answer and your explanation in the box provided.

*For the answer choices in this question, please sign only the letters A, B, C, D, E.*

Question 27:

Which shapes are divided into thirds? <pause>

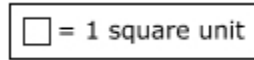
Select the **three** correct answers. <pause>

- A.
- B.
- C.
- D.
- E.

*For the answer choices in this question, please sign only the letters A, B, C, D.*

Question 28:

Which rectangle has an area of twenty-four square units? *<pause>*



Box equals one square unit. *<pause>*

- A.
- B.
- C.
- D.

Question 29:

Andre visits the library. It takes Andre twenty-six minutes to walk from his house to the library. He stays at the library forty-five minutes. His mother drives him home, which takes fifteen minutes. How many more minutes does Andre spend at the library than traveling to and from the library? *<pause>*

Show all the steps for solving the problem. Explain each step and give the final answer. *<pause>*

Enter your answer, your work, and your explanation in the box provided. *<pause>*



# Session 3

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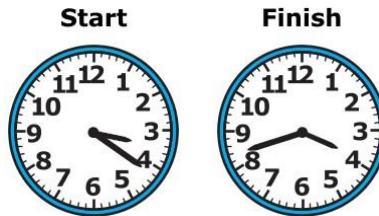
Ava uses stickers to decorate picture frames. She has a total of sixty stickers. She uses ten stickers on each picture frame. *<pause>*

When she uses all of her stickers, how many picture frames does Ava decorate?  
*<pause>*

Enter your answer in the box.

Question 31:

The clocks show when Jemma started and finished her homework. *<pause>*



The clocks are labeled “Start” and “Finish.” *<pause>*

Which statements are true? *<pause>*

Select the **three** correct answers. *<pause>*

- A. Jemma started her homework at three twenty-one.
- B. Jemma spent forty-two minutes on her homework.
- C. Jemma finished her homework at four forty-two.
- D. Jemma spent twenty-one minutes on her homework.
- E. Jemma started her homework at four seventeen.
- F. Jemma finished her homework at three forty-two.

Question 32:

A teacher bought eight packages of pencils. There were ten pencils in each package. What is the total number of pencils the teacher bought? *<pause>*

Enter your answer in the box.

Question 33:

$$\frac{2}{6} < \square$$

Two-sixths is less than blank. *<pause>*

Select the **three** fractions that make this comparison true. *<pause>*

- A. Three-sixths
- B. Two-eighths
- C. Two-fourths
- D. Two-thirds
- E. One-sixth

Question 34:

Which problem can be solved using the expression three times four? *<pause>*

- A. A house has three rooms on the first floor and four rooms on the second floor. How many total rooms does the house have?
- B. A group of four friends share three large pizzas. How much pizza does each friend get?
- C. A shopping center has three floors, and each floor has four stores. How many total stores does the shopping center have?
- D. A group of friends spend four dollars on French fries and three dollars on drinks. How much do they spend on food and drinks?

Question 35:

Where would a point be plotted to show five thirds on the number line? <pause>

Select the dot, and then select the place on the number line to plot the point. <pause>

A number line is shown. The numbers below the line are zero, one, two, three.

Question 36:

Which equations are true? <pause>

Select the **three** correct answers. <pause>

- A. Seven divided by seven equals zero.
- B. Three times four equals twelve.
- C. Ten divided by five equals five.
- D. Sixteen divided by two equals eight.
- E. Zero times six equals zero.

Question 37:

The patio is in the shape of a rectangle with a width of eight feet and a length of nine feet. What is the area, in square feet? <pause>

Enter your answer in the box.

Question 38:

Which **three** comparisons are true? *<pause>*

- A. One-third equals three-sixths
- B. Three-fourths equals six-eighths
- C. Four-eighths equals one-half
- D. One-fourth equals four-eighths
- E. Four-sixths equals two-thirds

Question 39:

Janell has eight photos on one page of an album. She has four photos on each of the other nine pages. How many photos are in Janell's album? *<pause>*

Enter your answer in the box.

Question 40:

Select the **two** fractions that are equivalent to one. *<pause>*

- A. A fraction with numerator three and denominator one
- B. Two halves
- C. Four thirds
- D. Six sixths
- E. One eighth

Question 41:

Fred has thirty-six stuffed animals that he will give to nine different friends. He will give an equal number of stuffed animals to each friend. Fred uses the equation thirty-six divided by nine equals question mark to find how many stuffed animals he will give to each friend. *<pause>*

**Part A** *<pause>*

He thinks the question mark equals three. Explain why he is wrong. *<pause>*

Enter your explanation in the box provided.

**Part B** *<pause>*

Find the correct answer using Fred's equation. *<pause>*

Enter your answer in the box provided.

**Part C** *<pause>*

How would you use multiplication to find the number of stuffed animals Fred gives each friend? *<pause>*

Enter your answer in the box provided.

*For the answer choices in this question, please sign only the letters A, B, C, D.*

Question 42:

Which circle is divided into eight equal parts and has one-eighth **shaded**? *<pause>*

Each answer option shows a figure. Above the figure is the title, "Circle."

- A.
- B.
- C.
- D.



Question 43:

The Lions and Bulldogs played a basketball game. The scoreboard is shown. *<pause>*

	<b>1st Half</b>	<b>2nd Half</b>	<b>Score</b>
Lions	28	35	
Bulldogs	32	29	

The title of the table is “Scoreboard.” The columns are labeled “First Half,” “Second Half,” “Score.” *<pause>*

Lions, twenty-eight, thirty-five. *<pause>*

Bulldogs, thirty-two, twenty-nine. *<pause>*

**Part A** *<pause>*

How many total points did the Lions score? *<pause>*

- A. Fifty-one
- B. Fifty-three
- C. Sixty-one
- D. Sixty-three

**Part B** *<pause>*

How many total points did the Bulldogs score? *<pause>*

- A. Fifty-one
- B. Fifty-three
- C. Sixty-one
- D. Sixty-three

**Part C** <pause>

When the first half ended, how many more points did the Bulldogs have than the Lions?  
<pause>

Enter your answer in the box.

**Part D** <pause>

The top two scorers for the Lions scored twenty-five points and twelve points. <pause>

How many points did the rest of the team score? <pause>

Show the steps you used to solve the problem. <pause>

Enter your answer and your work in the box provided.



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