ORVILLE and WILBUR WRIGHT’S EARLY LIFE

THEIR FATHER’S NAME WAS MILTON WRIGHT. HE WAS A MINISTER.

WILBUR WAS BORN IN 1867.

THEIR MOTHER’S NAME WAS SUSAN CATHERINE KOERNER WRIGHT.

ORVILLE WAS BORN IN 1871.

THEY FIRST BECAME INTERESTED IN FLYING AFTER THEIR FATHER GAVE THEM A TOY HELICOPTER.

AS YOUNG BOYS, THE WRIGHT BROTHERS WATCHED BIRDS AND BUILT AND FLEW KITES.
SEEK A WORD

Find the words in the puzzle that were important to the Wright brothers.

CKTXPDMCGFLQSZG
QHULNWAZFOERPBL
LMAAKQIESAFNTKI
TYNVDNFTJRAUTD
BNSGUCEFLYERCYE
OWBLCTHRIRSMKFR
MCXEAIEAURPYTAE
AEFPUPWNTQACFJT
XKTDGCCHUERIHNN
VMIXPDNEWSPAPER
PDLTCLQXAOVGCT
RACPERSCOHKZEBH
EYPNQMBICYCLES
STXICHECQAJMW0
UOICZOMOKDGHZYO
JNXLTACRZPATENT

OHIO  LANGLEY  FRANCE  GLIDER
DAYTON  CHANUTE  ARMY  NEWSPAPER
KITE    FLYER    EICYCLES  PATENT

ANSWERS ON PAGE 20
THE WRIGHT BROTHERS GROW UP

ORVILLE AND WILBUR WRIGHT BOTH FINISHED HIGH SCHOOL. NEITHER OF THEM WENT TO COLLEGE.

ORVILLE BUILT HIS OWN PRINTING PRESS WHILE HE WAS IN HIGH SCHOOL. WILBUR JOINED ORVILLE AND PRINTED A NEWSPAPER.

THE BROTHERS BEGAN RACING AND REPAIRING BICYCLES.
MATH TREASURE HUNT

Follow the directions to find the answer to the Treasure Question—How long did the Wright Flyer stay in the air on its first flight?

WRITE THE NUMERALS ................................................................. DO YOUR WORK HERE!

(1) The year of the first flight

ADD

(2) The number of letters of the town where that flight took place

SUBTRACT

(3) The year Wilbur was born

DIVIDE BY

(4) Five

MULTIPLY BY

(5) The number of words in the state where the first flight took place

ADD

(6) The day of the month of the first flight

MULTIPLY BY

(7) The number of letters in the first name of the oldest brother

SUBTRACT

(8) The number that stands for bicentennial

ADD

(9) The number of wings on the Flyer

ANSWER ________ seconds

ANSWERS ON PAGE 20
1892 THE WRIGHT BROTHERS OPENED A BICYCLE SHOP. THEY BEGAN TO BUILD AND REPAIR BICYCLES.

LATER ON, THE BICYCLE SHOP WAS USED TO WORK ON THEIR GLIDERS AND AIRPLANES.
How many words can you make from WILBUR and ORVILLE WRIGHT?

<table>
<thead>
<tr>
<th>Nouns (naming words)</th>
<th>Verbs (doing words)</th>
<th>Adjectives &amp; Adverbs (describing words)</th>
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THE WRIGHT BROTHERS DECIDED TO STUDY FLYING.

THEY RECEIVED INFORMATION WRITTEN BY...

Samuel Pierpont Langley and Octave Chanute

AFTER READING ALL THEY COULD FIND ABOUT FLIGHT, THE WRIGHT BROTHERS DECIDED TO BUILD A GLIDER.
COPY THE WRIGHT GLIDER

Use the blank grid to draw your own Wright glider.
DURING THEIR TESTS, THEY HAD PROBLEMS CONTROLLING THEIR GLIDER. TO SOLVE THESE PROBLEMS, THE WRIGHT BROTHERS BUILT A WIND TUNNEL.

THEY ALSO BUILT THEIR OWN ENGINE AND PROPELLERS.
HELP THE WRIGHT BROTHERS FIND THEIR WAY TO KITTY HAWK

START DAYTON

FINISH KITTY HAWK

ANSWER ON PAGE 20
THEY NEEDED A PLACE WHERE THE WIND WAS STRONG AND STEADY TO TEST THEIR GLIDER. THE WEATHER BUREAU SUGGESTED THE SAND DUNES AROUND KITTY HAWK, NORTH CAROLINA.
MAKE A WORD

Add and subtract letters to discover important things and people in the Wright brothers’ work in aviation.

1. window - ow tundra - dra + nellie - lie = ____________________________

2. October - ober + a + vent - nt Chanel - el + u + ten - n = ____________

3. biology - ology + cycling - ing + e cream - eam + maze - m = ____________

4. grass - r - s + oh - h + line english - lish + marine - mar = ____________

5. pow wow - wow + ere + deed - eed fly - y + mighty - m - y = _______
IN THE WINTER OF 1903, THE WRIGHT BROTHERS RETURNED TO NORTH CAROLINA WITH THEIR AIRPLANE WHICH THEY NAMED THE FLYER.

The 1903 Wright Flyer

ON DECEMBER 17, 1903, THE FLYER FLEW SUCCESSFULLY.
THIS WAS THE FIRST CONTROLLED POWERED FLIGHT OF A HEAVIER-THAN-AIR AIRPLANE IN HISTORY.
ACROSS

1. The last name of Wilbur.
2. Another word for breezy.
3. A famous museum in Washington, D.C.
4. The brother of Wilbur.
5. Another word for creation or discovery.
7. The month in which the first controlled powered flight of a heavier-than-air airplane took place.
8. Go fly a
9. Paris,
10. The season the first controlled powered flight of a heavier-than-air airplane took place.

11. Another name for a bicycle.
12. The lifting part of an airplane.
13. Octave

DOWN

2. One, three, etc.
4. Opposite of no.
6. Dayton,
7. Opposite of out.
8. Another name for a hotel, motel, or lodge.
In 1908, the Wrights signed a contract to conduct flight tests for the U.S. Army. The tests were successful and the Army bought one of their airplanes.

1908

THEY ALSO STARTED BUILDING AIRPLANES IN FRANCE IN 1908.
NUMBER CHALLENGE

Using important dates in the Wright brothers’ lives, reorganize each number to make the highest number you can.

1903
1917
1915
1909
1910
1908
1907

For added fun, add them all up. Now, what is the total number? ____________________

Can you write it in words? ____________________
THE WRIGHT BROTHERS STARTED A NEW APPROACH TO AVIATION.

WILBUR DIED IN MAY 1912.

ORVILLE WORKED IN HIS PRIVATE LABORATORY UNTIL HE DIED IN JANUARY 1948.

WRIGHTS’ 1909 IMPROVED VERSION HAD A 30-HORSEPOWER ENGINE.

FIRST IN AMERICA AVIATION MEET

LOS ANGELES

JANUARY 10-20 1910

American & Foreign Aviators Daily Flights

POSTER SHOWING THE FIRST INTERNATIONAL AVIATION MEET IN THE UNITED STATES.
WRIGHTS’ MEMORIAL

Fill in the puzzle with the things shown in the picture.

ORVILLE  EAGLE  KITE  HANGAR  CLOUD  MONUMENT
WILBUR  WING  FLAG  GLIDER  MOTOR  MOON

ANSWERS ON PAGE 20
"IT IS MY BELIEF THAT FLIGHT IS POSSIBLE AND WHILE I AM TAKING UP THE INVESTIGATION FOR PLEASURE RATHER THAN PROFIT, I THINK THERE IS A SLIGHT POSSIBILITY OF ACHIEVING FAME AND FORTUNE FROM IT."

WILBUR WRIGHT
SEPT. 3, 1900
ANSWERS TO ACTIVITIES

Pg. 2 SEEK A WORD

Pg. 4 MATH TREASURE HUNT
1903 + 9 (Kitty Hawk) = 1912 - 1867 = 45 ÷ 5 = 9 x 2 (North Carolina)
= 18 + 17 = 35 x 6 (Wilbur) = 210 - 200 = 10 + 2 = 12
Answer — 12 Seconds

Pg. 10 HELP THE WRIGHT BROTHERS FIND THEIR WAY TO KITTY HAWK

Pg. 12 MAKE A WORD
1) wind tunnel 2) Octave Chanute 3) bicycle craze
4) gasoline engine 5) powered flight

Pg. 14 THE WRIGHT FLYER CROSSWORD PUZZLE

Pg. 16 NUMBER CHALLENGE
9310, 9711, 9511, 9910, 9110, 9810, 9710
Total = 67,072 — sixty-seven thousand and seventy-two

Pg. 18 WRIGHTS’ MEMORIAL