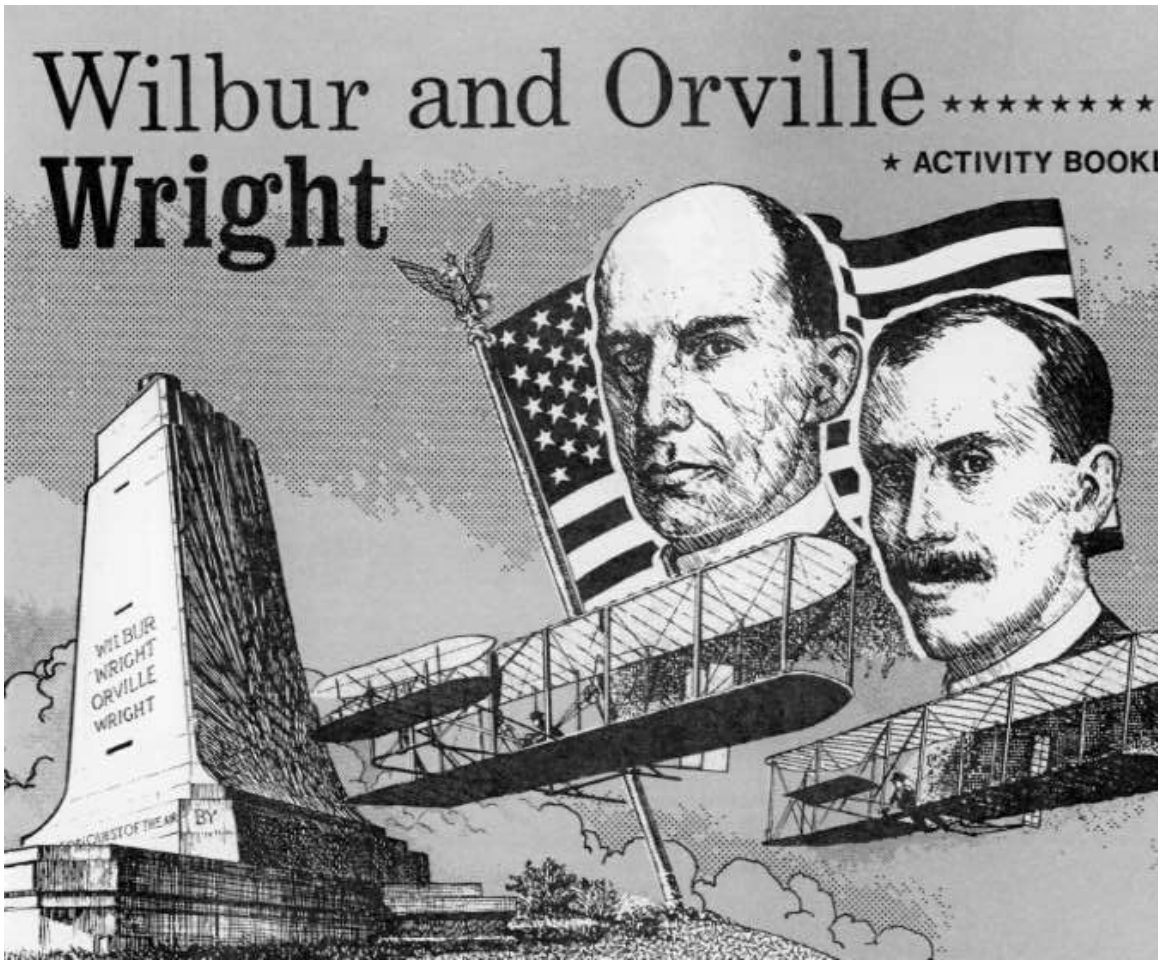
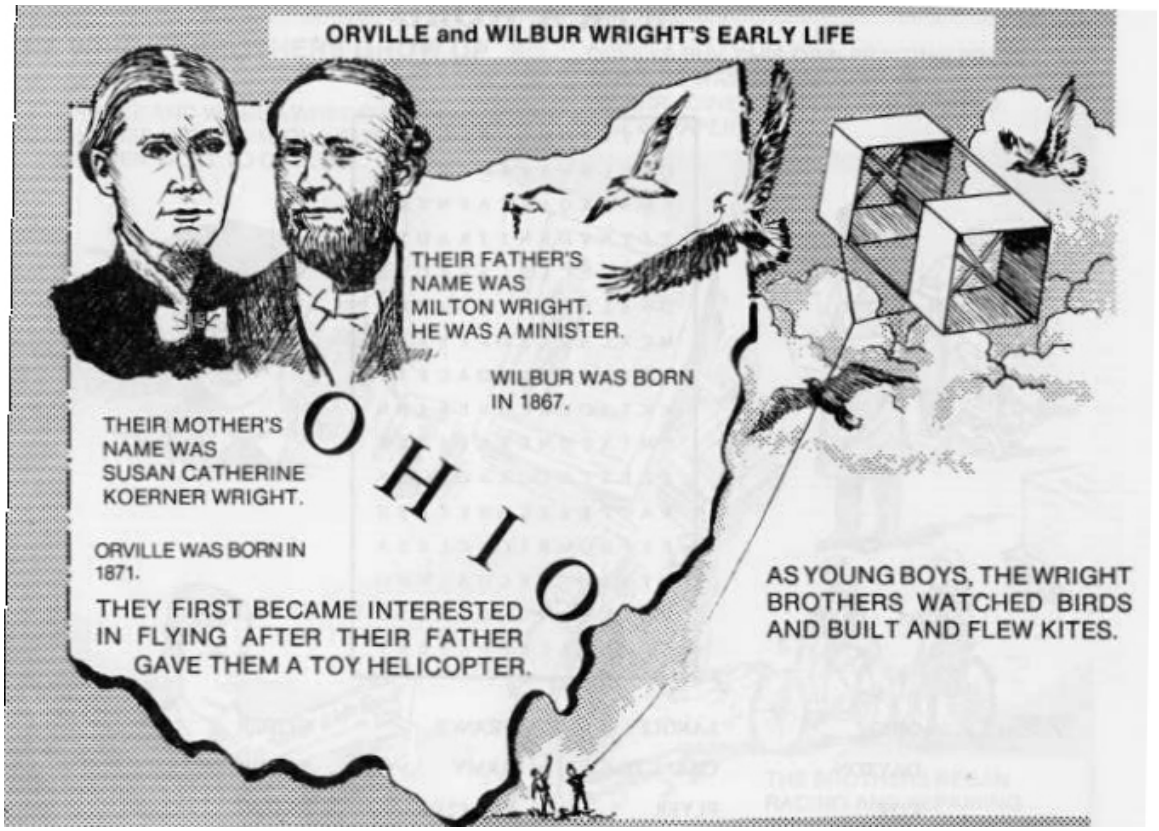
Wilbur and Orville Wright

★ ACTIVITY BOOK!



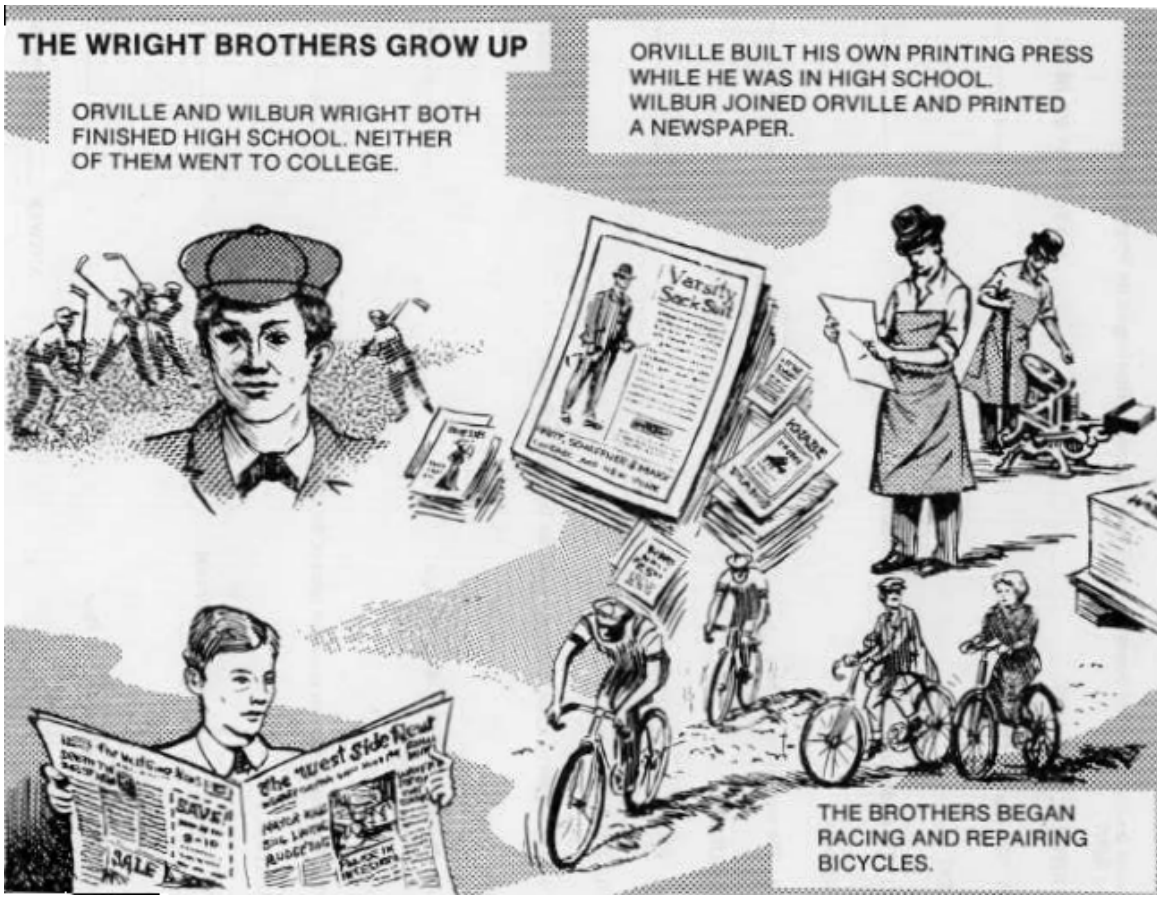

ORVILLE and WILBUR WRIGHT'S EARLY LIFE
THEIR FATHER'S NAME WAS MILTON WRIGHT. HE WAS A MINISTER.
WILBUR WAS BORN IN 1867.
THEIR MOTHER'S NAME WAS SUSAN CATHERINE KOERNER WRIGHT.
OHIO
ORVILLE WAS BORN IN 1871.
THEY FIRST BECAME INTERESTED IN FLYING AFTER THEIR FATHER GAVE THEM A TOY HELICOPTER.
AS YOUNG 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.

C	K	T	X	P	D	M	C	G	F	L	Q	S	Z	G
Q	H	U	L	N	W	A	Z	F	O	E	R	P	B	L
L	M	A	A	K	Q	I	E	S	A	F	N	T	K	I
T	I	Y	N	V	D	F	N	T	J	R	A	U	T	D
B	N	S	G	U	C	E	F	L	Y	E	R	C	Y	E
O	W	B	L	C	T	H	R	I	R	S	M	K	F	R
M	C	X	E	A	I	E	A	U	R	P	Y	T	A	E
A	E	F	Y	P	U	W	N	T	Q	A	C	F	J	T
X	K	T	J	D	C	G	C	H	U	E	R	I	H	N
V	M	I	X	P	D	N	E	W	S	P	A	P	E	R
P	D	L	T	C	B	L	Q	X	A	O	V	G	C	T
P	A	C	P	E	R	S	C	O	H	K	Z	E	B	H
E	Y	P	N	Q	M	B	I	C	Y	C	L	E	S	A
S	T	X	I	U	C	H	E	C	Q	A	J	M	W	O
U	O	I	C	Z	O	M	O	K	D	G	H	Z	Y	O
J	N	X	L	T	A	C	R	Z	P	A	T	E	N	T

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


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.
Varsity Sack Suit
The West Side News
SALE
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.

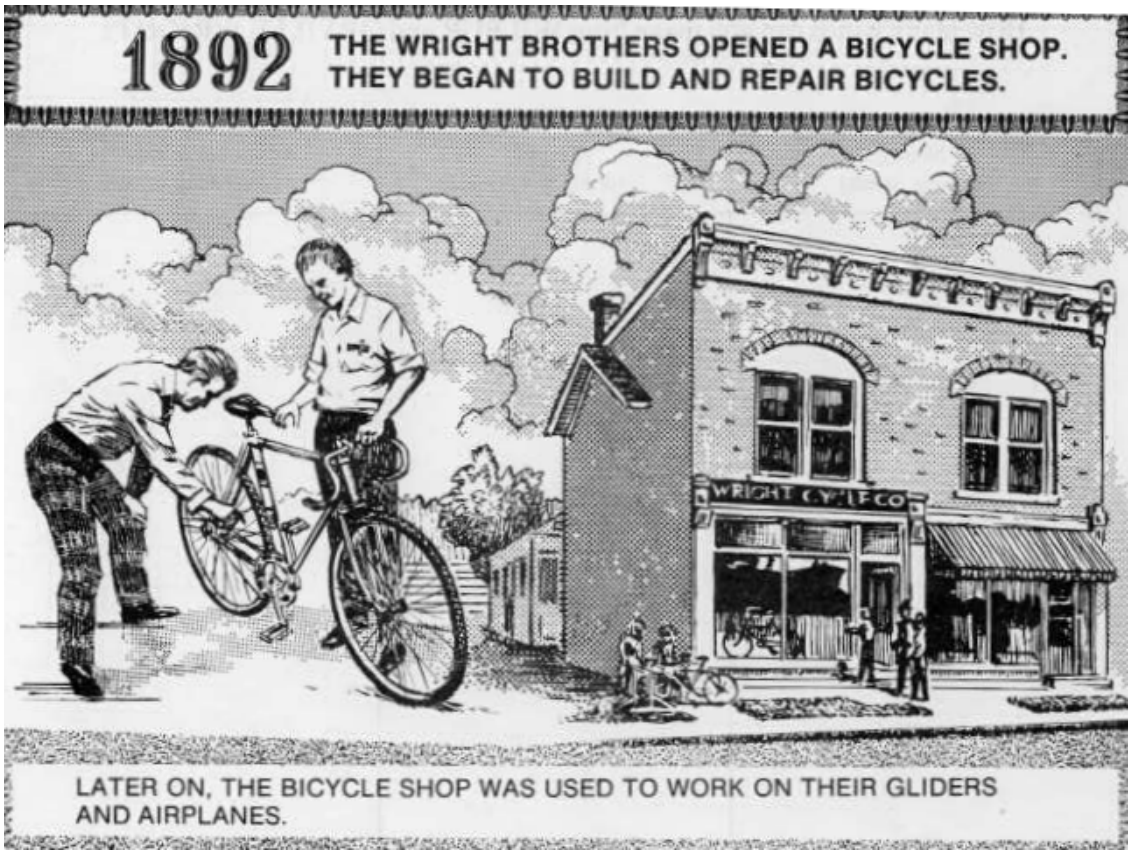
SUBTRACT

(8) The number that stands for bicentennial

ADD

(9) The number of wings on the Flyer

ANSWER: _____seconds



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?

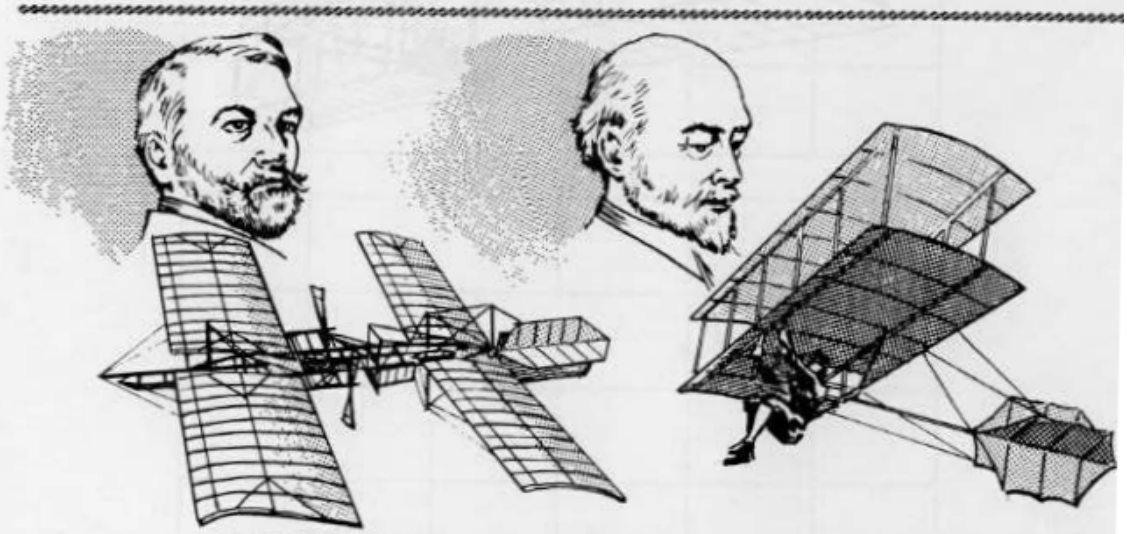
Nouns (naming words)	Verbs (doing words)	Adjectives & Adverbs (describing words)

1899

THE WRIGHT BROTHERS DECIDED TO STUDY FLYING.

THEY RECEIVED INFORMATION WRITTEN BY. . .

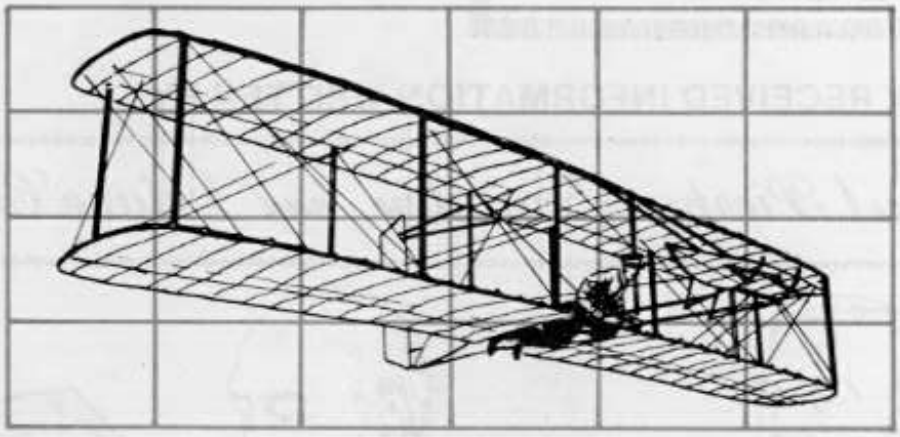
Samuel Pierpont Langley and Octave Chanute

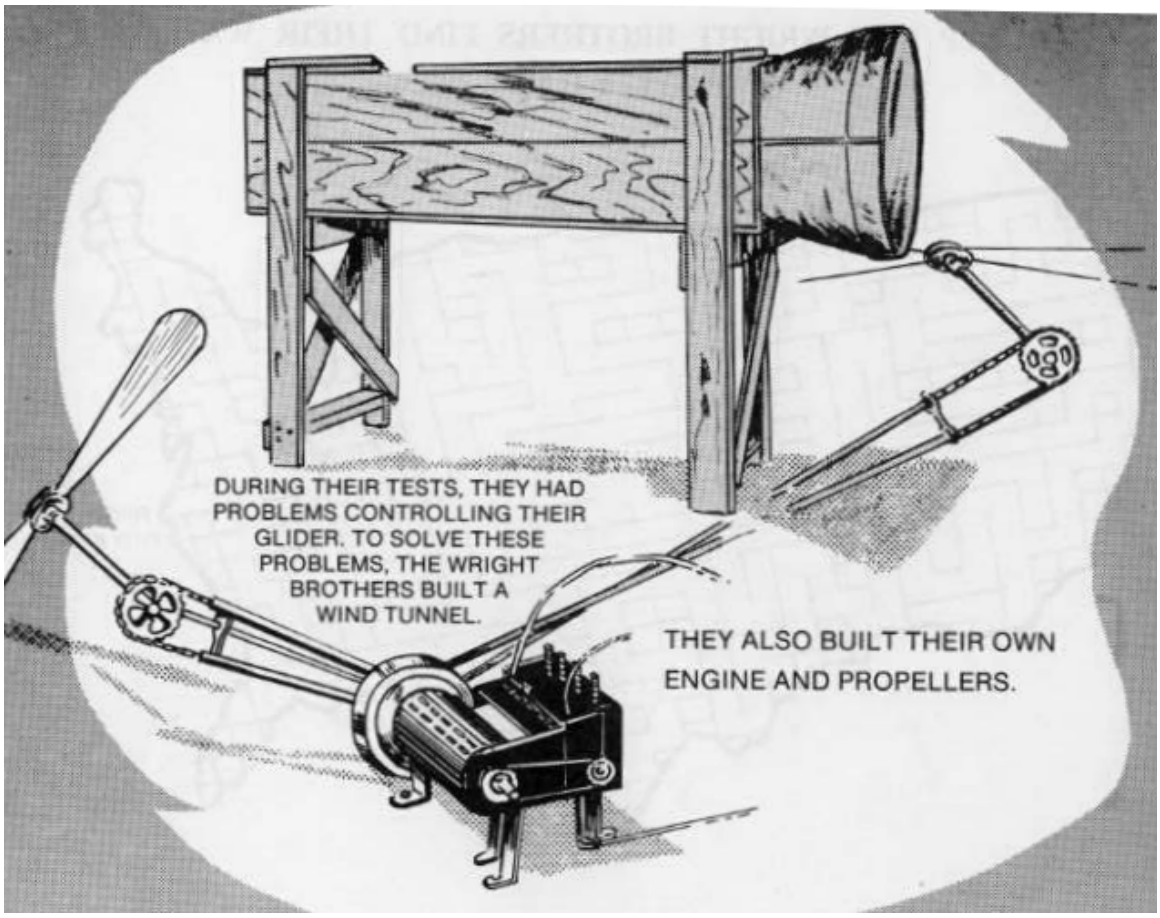


AFTER READING ALL THEY COULD FIND ABOUT FLIGHT, THE WRIGHT BROTHERS DECIDED TO BUILD A GLIDER.

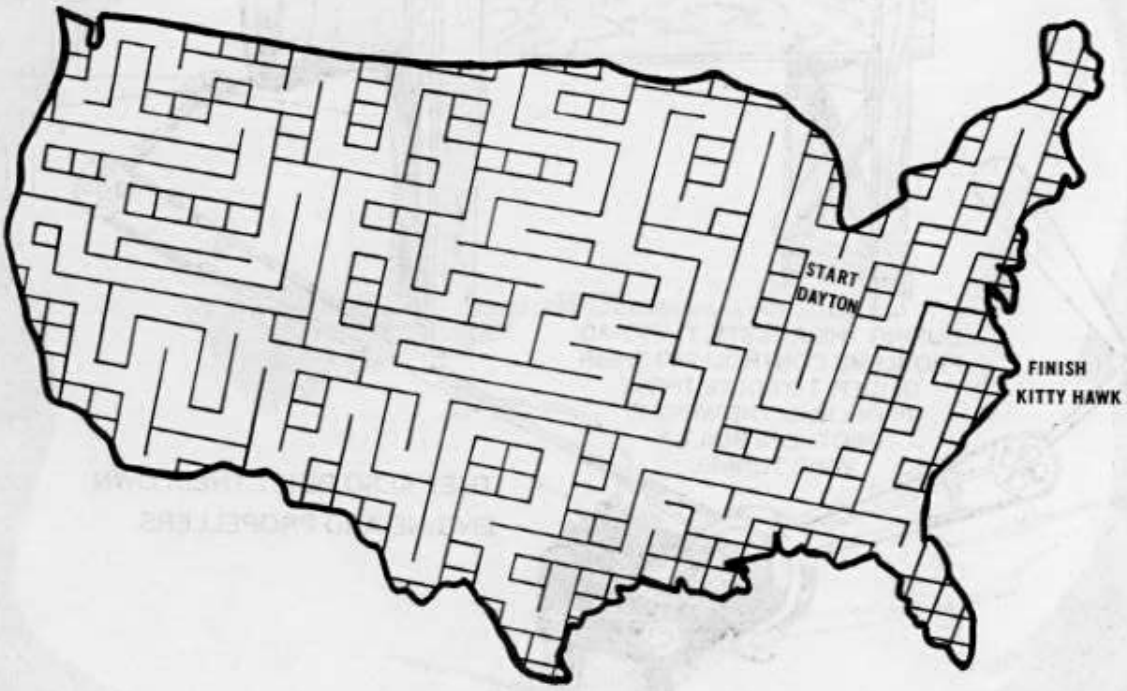
COPY THE WRIGHT GLIDER

Use the blank grid to draw your own Wright glider.

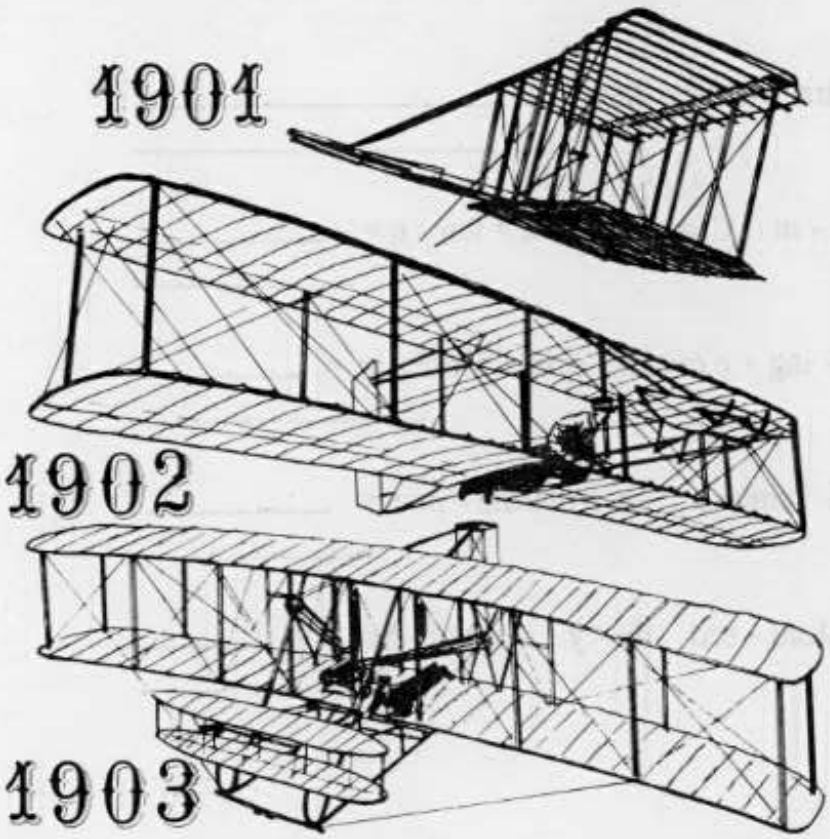


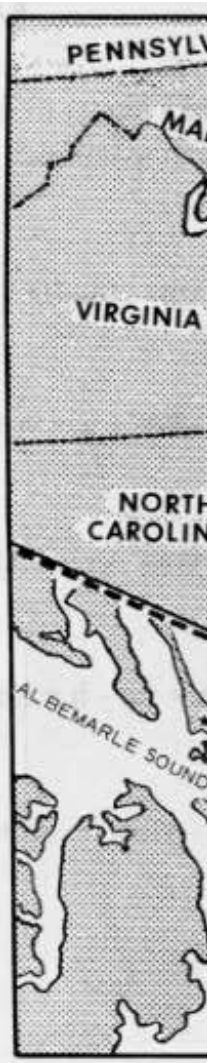

DURING THEIR TESTS, THEY HAD PROBLEMS CONTROLLING THEIR GLIDER. TO SOLVE THESE PROBLEMS, THE WRIGHT BROTHERS BUILT A WIND TUNNEL.
THEY ALSO BUILT THEIR OWN ENGINE AND PROPELLERS.

HELP THE WRIGHT BROTHERS FIND THEIR WAY TO KITTY HAWK



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.

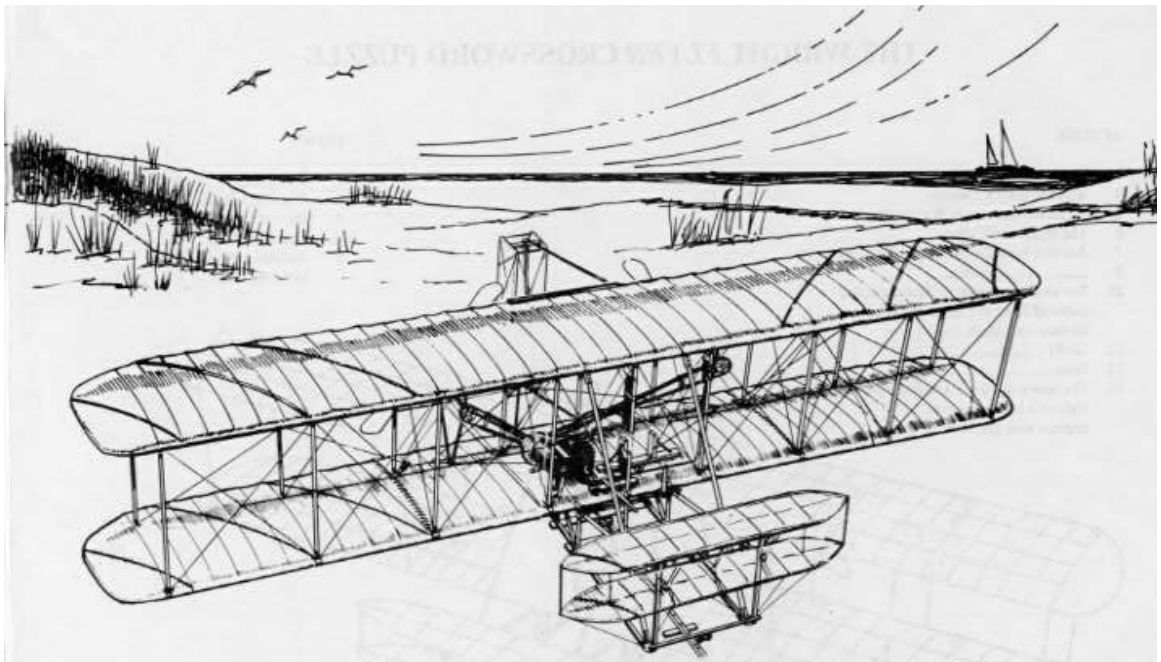
1. window - ow tundra - dra + nellie - lie = _____
_____

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.

THE WRIGHT FLYER CROSSWORD PUZZLE

ACROSS

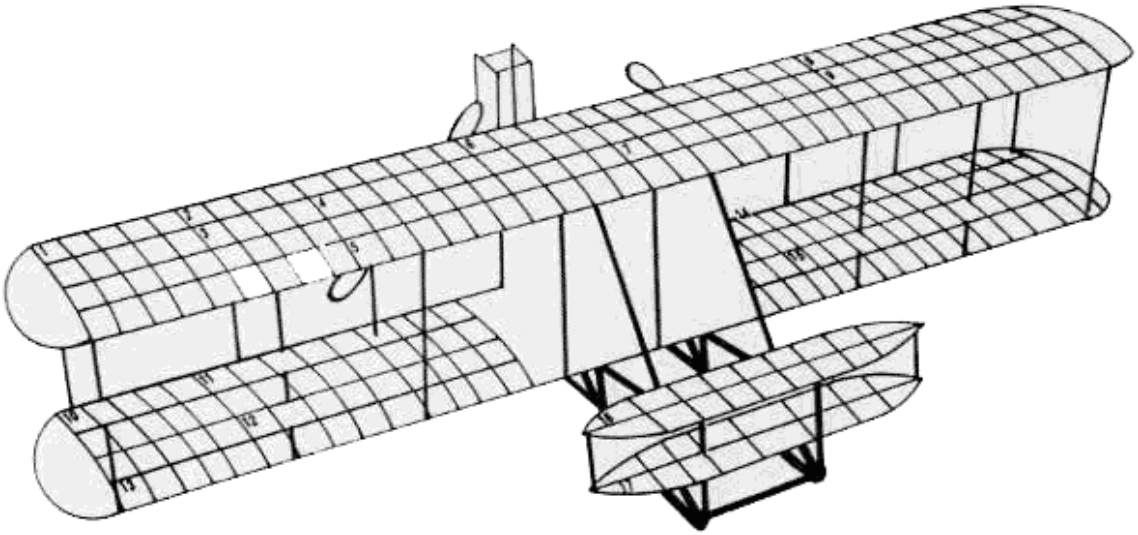
1. The last name of Wilbur.
3. Another word for breezy.
5. A famous museum in Washington, DC.
6. The brother of Wilbur.
7. Another word for creation or discovery.

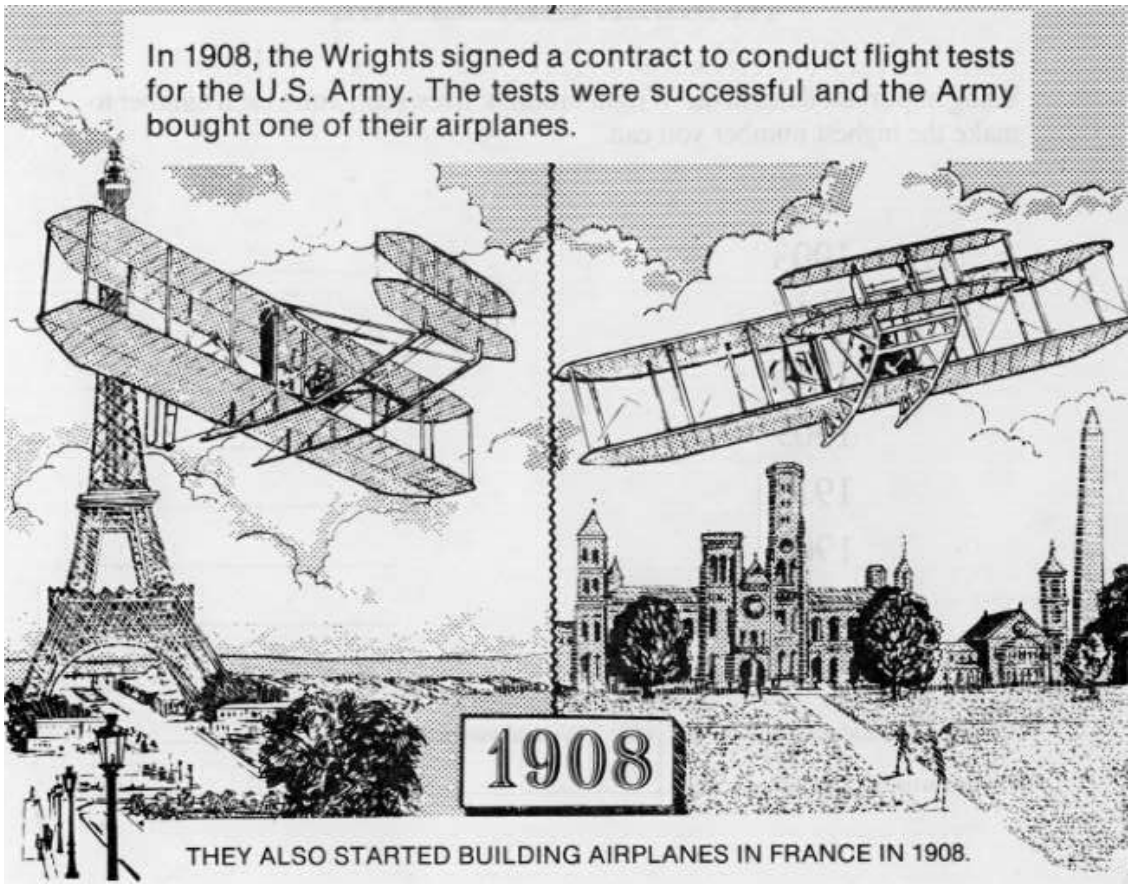
9. _____ Carolina.
10. The month in which the first controlled powered flight of a heavier-than-air airplane took place.
12. Go fly a _____
13. Paris, _____
14. The season the first controlled powered flight of a heavier-than-air airplane took place.
15. The state where Kitty Hawk is located.
16. Samuel Pierpont _____
17. 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.
11. Another name for a bicycle.
14. The lifting part of an airplane.

ANSWERS ON PAGE 20.



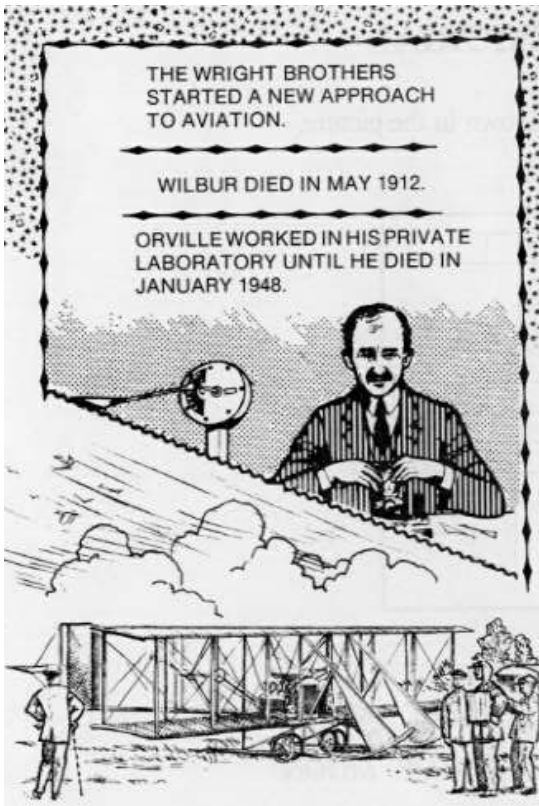

In 1908, the Wrights signed a contract to conduct flight tests for the U.S. Army. The tests were successful and the Army bought one of their airplanes.
1908
THEY ALSO STARTED BUILDING AIRPLANES IN FRANCE IN 1908.

NUMBER CHALLENGE

Using important dates in the Wright brother's 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? _____

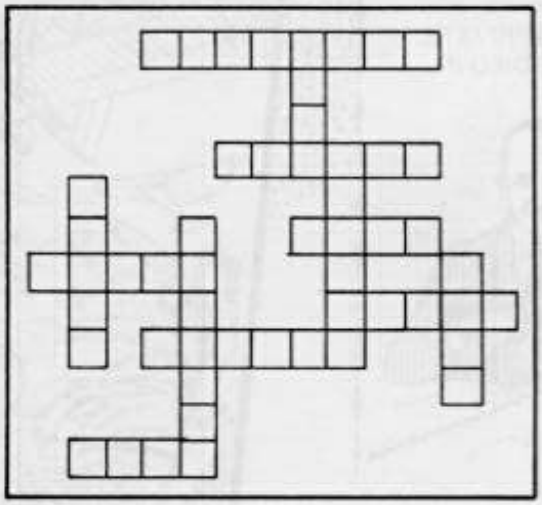


WRIGHTS' 1909 IMPROVED VERSION HAD A 30-HORSEPOWER ENGINE.

POSTER SHOWING THE FIRST INTERNATIONAL AVIATION MEET IN THE UNITED STATES.

WRIGHTS' MEMORIAL

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

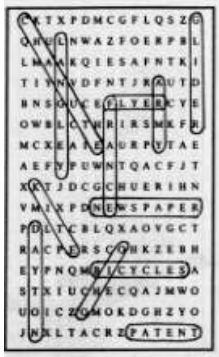


ORVILLE EAGLE KITE HANGAR CLOUD MONUMENT

WILBUR WING FLAG GLIDER MOTOR MOON

ANSWERS 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

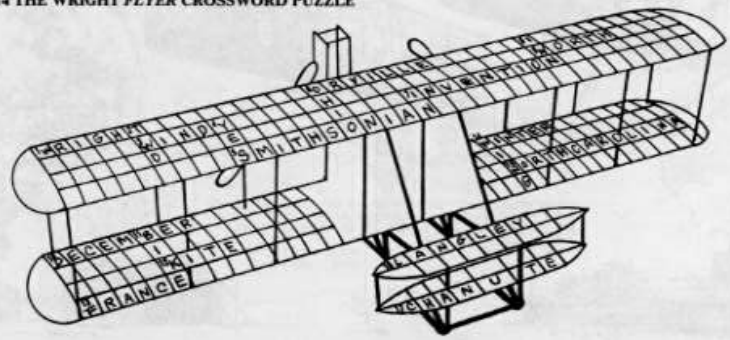
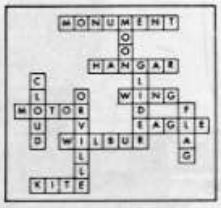
1) wind tunnel 2) Octave Chanute 3) bicycle craze 4) gasoline engine 5) powered flight

Pg. 16 NUMBER CHALLENGE

9310, 9711, 9511, 9910, 9110, 9810, 9710

Total = 67,072 — sixty-seven thousand and seventy-two

Pg. 14 THE WRIGHT *FLYER* CROSSWORD PUZZLE



Pg. 18 WRIGHTS' MEMORIAL