

# PLANET SATURN

## ESCAPE ROOM

**Code Puzzle:** Saturn are MINUS 53.  
The FIRST number of the lock is the percent of hydrogen Saturn is composed of MINUS 89.  
The THIRD number of the lock is the number of Earth years one year on Saturn lasts MINUS 21.  
Once you determine the 4-digit code, decide if the code uses all EVEN #s, all ODD #s or a combination of both.

ALL EVEN	ALL ODD	COMBO
J	K	P

**Paragraph Station:** Station 2: PARAGRAPHS. First, number ALL the paragraphs on your reading passage. Then, read each statement below and determine which paragraph NUMBER the statement can be found in. Paragraph numbers MAY be used more than one time or not at all. Use the directions below to reveal the 4-digit code and letter clue.

**True or False Station:** Station 3: TRUE OR FALSE. Read each statement below and determine if it is true or false. If the statement is true, color the coin on YOUR answer sheet that corresponds with that question. If the statement is false, cross out that coin value. When you are finished add the TOTAL of ALL TRUE coin values to reveal your letter clue. One digit of the code has been provided for you. If the total is 625, a 6 would go in the first box, the 2 in the second box and so on.

A 75	A. Saturn is a gas giant meaning it has no solid surface.	E 100
B 25	B. "Lubadsagush" means "oldest of the old."	F
	C. Saturn is the third planet from the sun in the Solar System.	
	D. Titan's atmosphere is primarily helium.	

**Planet Facts Station:** PLANET SATURN. Saturn is the sixth planet from the sun in the Solar System. It is the second largest planet with the largest rings surrounding it. It is large enough to be seen from Earth with the largest rings surrounding it. Around 4 million years ago, Saturn was named after the Roman god of time. Saturn was named after the Roman god of time. Saturn was named after the Roman god of time. Saturn was named after the Roman god of time.

**THINK TANK**

STATIONS ACTIVITY

# WHAT'S INCLUDED?

- ✓ READING PASSAGE
- ✓ 5 STATIONS
- ✓ TEACHER GUIDE
- ✓ ANSWER KEY
- ✓ STUDENT DIRECTIONS
- ✓ TEXT MARKING OPTION
- ✓ PROP SIGNS

## STATION 1: FILL IN THE BLANK

Use your reading passage to determine the missing words in the paragraph below. Each missing word has a corresponding NUMBER. The 4-digit code for this station will be the NUMBER for each missing word, in the same order in which they appear in the paragraph. Then, record the clue LETTER on your answer sheet.

## STATION 2: PARAGRAPHS

First, number ALL the paragraphs on your reading passage. Then, read each statement below and determine which paragraph NUMBER the statement can be found in. Paragraph numbers MAY be used more than one time or not at all. Follow the directions below to reveal the 4-digit code and letter clue.

## STATION 3: TRUE OR FALSE

Read each statement below and determine if it is true or false. If the statement is true, color the coin on YOUR answer sheet that corresponds with that question. If the statement is false, cross out that coin value. When you are finished add the TOTAL of ALL TRUE coin values to reveal your letter clue. One digit of the code has been provided for you. If the total is 625, a 6 would go in the first box, the 2 in the second box and so on.

## STATION 4: COMBINATION

Use your reading passage to determine the combination to the 4-digit lock for this station. You're going to have to use your critical thinking skills and do a tiny bit of math. Pay attention because the "clues" below are NOT in order. There is room on your answer sheet to do the math.

## STATION 5: MULTIPLE CHOICE

Answer each multiple-choice question below. Then, count the number of times you used each letter answer (ABCD) to reveal your 4-digit code. Letters may be used more than once or not at all. If a letter option is not used, put a zero in that box on your answer sheet.

## ANSWER RECORDING SHEET

Record your answers for each station on this sheet. Then, use the directions below to determine final 4-digit ALPHA code. Ex: HBDR

STATION CODES

LETTER CLUE

STATION 1	→	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	CODE	<input type="text"/>
-----------	---	----------------------	----------------------	----------------------	----------------------	------	----------------------

A	B	C	D	E	F	<input type="text"/>
---	---	---	---	---	---	----------------------

STATION 2	→	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	CODE	<input type="text"/>
-----------	---	----------------------	----------------------	----------------------	----------------------	------	----------------------

# ENTER

1

2

3

## TEACHER DIRECTION

- 1 Print the reading passage found on [pages 5-6](#) for EACH (front and back).
- 2 Print the answer recording sheet on [page 12](#) for each student group of students.

RECAP: Print pages 5, 6, and 12 for students.

# STATION

# 5

# BLUE

## THE MISSION

You have been assigned a top-secret mission of utmost importance. A notorious thief has stolen precious gems from a prominent lady, and intelligence reports suggest that they are hidden in a heavily guarded secret vault. In the bustling city of Oakville, Lady Victoria was renowned for her extraordinary

## ABOUT THIS ACTIVITY

The reading passage in this packet allows students to practice their comprehension skills after reading the passage. Students will be searching for evidence. Each station includes a question that will reveal a letter clue.

	OVERVIEW
READING PASSAGE	Students will use the reading passage at each station seeking answers and text evidence.
STATION 1	Students will determine the missing word in the paragraph to reveal a 4-digit code.
STATION 2	Students will number the paragraphs in the reading passage to determine where the missing words can be found (paragraph number). After eliminating the unnecessary numbers, a 4-digit code will be revealed.
STATION 3	Students will read each statement and determine if it is true or false.



# 5 STATIONS

## STATION 5: MULTIPLE CHOICE

Answer each multiple-choice question below. Then, count of times you used each letter answer (ABCD) to reveal code. Letters may be used more than once or not at all option is not used, put an X in that box on your answer sheet.

1. Which is Saturn's smallest moon? \_\_\_\_\_ is the \_\_\_\_\_ largest moon in the Saturnian System.

A. Triton  
B. Dione  
C. Mimas  
D. Rhea

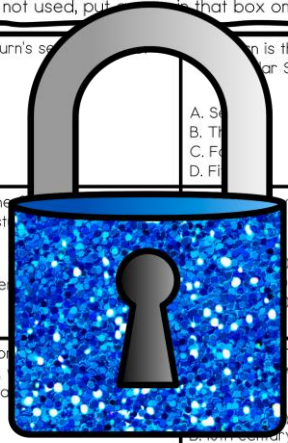
2. What was the name of the first spacecraft to visit Saturn and its rings and moons?

A. Pioneer 12  
B. Cassini-Huygens  
C. Voyager 2  
D. Endeavor

3. Due to ammonia in its atmosphere, Saturn appears \_\_\_\_\_.

A. Red  
B. Blue  
C. Green  
D. Yellow

Count how many times you used each letter answer to determine the 4-digit code and record it on your answer sheet.



## ANSWER RECORDING SHEET

Record your answers for each station on this sheet. Then, use the directions below to determine final 4-digit ALPHA code. Ex: HBDR

STATION CODES	LETTER ANSWERS
STATION 1: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/>
STATION 2: <b>A</b> <b>B</b> <b>C</b> <b>D</b> <b>E</b> <b>F</b>	<input type="text"/>
STATION 3: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/>
STATION 4: Do your math in this area:	<input type="text"/>
STATION 5: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/>

1 2 3 4 5 6

A#  B#  C#  D#

## STATION 4: COMBINATION

Use your reading passage to determine the combination to the 4-digit lock for this station. You're going to have to use your critical thinking skills and do a tiny bit of math. Pay attention because the "clues" below are NOT in order. There is room on your answer sheet to do the math.

1. The LAST number of the lock is the same as the number of rings discovered by the Cassini-Huygens spacecraft.

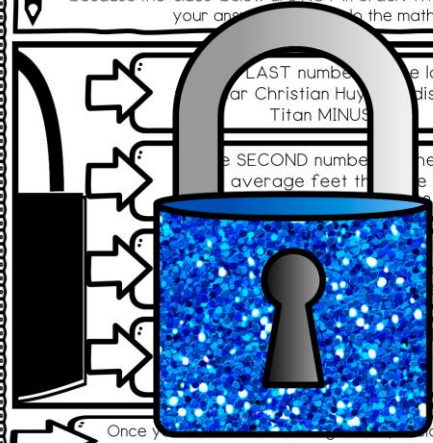
2. The SECOND number of the lock is the same as the average feet thick the rings of Saturn are.

3. The third number of the lock is the same as the number of moons Saturn has.

4. The first number of the lock is the same as the year on which the first spacecraft to visit Saturn was launched.

Once you determine the 4-digit code, decide if the code uses all EVEN #s, all ODD #s or a combination of both.

ALL EVEN     ALL ODD     COMBO



## STATION 1: FILL IN THE BLANKS

Use your reading passage to determine the missing word in each paragraph below. Each missing word has a corresponding NUMBER. The 4-digit code for this station will be the NUMBER of each missing word in the order in which they appear in the paragraphs. Then, use the letter clue on your answer sheet to determine the 4-digit code.

1. Saturn's rings are made of ice and rock, and they spin \_\_\_\_\_ quickly.

2. The rings are made of many small pieces of ice and rock, \_\_\_\_\_ slowly.

3. The rings are made of many small pieces of ice and rock, \_\_\_\_\_ slowly.

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_

20. \_\_\_\_\_

21. \_\_\_\_\_

22. \_\_\_\_\_

23. \_\_\_\_\_

24. \_\_\_\_\_

25. \_\_\_\_\_

26. \_\_\_\_\_

27. \_\_\_\_\_

28. \_\_\_\_\_

29. \_\_\_\_\_

30. \_\_\_\_\_

31. \_\_\_\_\_

32. \_\_\_\_\_

33. \_\_\_\_\_

34. \_\_\_\_\_

35. \_\_\_\_\_

36. \_\_\_\_\_

37. \_\_\_\_\_

38. \_\_\_\_\_

39. \_\_\_\_\_

40. \_\_\_\_\_

41. \_\_\_\_\_

42. \_\_\_\_\_

43. \_\_\_\_\_

44. \_\_\_\_\_

45. \_\_\_\_\_

46. \_\_\_\_\_

47. \_\_\_\_\_

48. \_\_\_\_\_

49. \_\_\_\_\_

50. \_\_\_\_\_

51. \_\_\_\_\_

52. \_\_\_\_\_

53. \_\_\_\_\_

54. \_\_\_\_\_

55. \_\_\_\_\_

56. \_\_\_\_\_

57. \_\_\_\_\_

58. \_\_\_\_\_

59. \_\_\_\_\_

60. \_\_\_\_\_

61. \_\_\_\_\_

62. \_\_\_\_\_

63. \_\_\_\_\_

64. \_\_\_\_\_

65. \_\_\_\_\_

66. \_\_\_\_\_

67. \_\_\_\_\_

68. \_\_\_\_\_

69. \_\_\_\_\_

70. \_\_\_\_\_

71. \_\_\_\_\_

72. \_\_\_\_\_

73. \_\_\_\_\_

74. \_\_\_\_\_

75. \_\_\_\_\_

76. \_\_\_\_\_

77. \_\_\_\_\_

78. \_\_\_\_\_

79. \_\_\_\_\_

80. \_\_\_\_\_

81. \_\_\_\_\_

82. \_\_\_\_\_

83. \_\_\_\_\_

84. \_\_\_\_\_

85. \_\_\_\_\_

86. \_\_\_\_\_

87. \_\_\_\_\_

88. \_\_\_\_\_

89. \_\_\_\_\_

90. \_\_\_\_\_

91. \_\_\_\_\_

92. \_\_\_\_\_

93. \_\_\_\_\_

94. \_\_\_\_\_

95. \_\_\_\_\_

96. \_\_\_\_\_

97. \_\_\_\_\_

98. \_\_\_\_\_

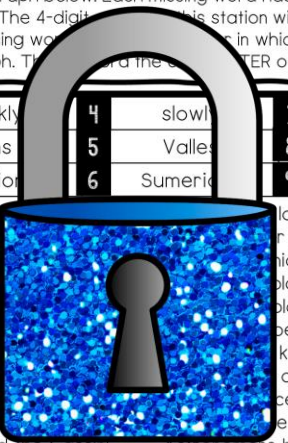
99. \_\_\_\_\_

100. \_\_\_\_\_

Once you determine the 4-digit code, decide if the code uses all EVEN #s, all ODD #s or a combination of both.

ALL EVEN     ALL ODD     COMBO

**B**    **H**    **M**



## STATION 3: TRUE OR FALSE

Read each statement below and determine if it is true or false. If the statement is true, color the coin on YOUR answer sheet that matches that question. If the statement is false, cross out that coin. Once you are finished coloring the coins, use the TRUE coin values to determine the 4-digit code. One digit of the code will be provided for you. The other three digits will be determined by you. For example, if you have 625, a 6 would be in the first box, a 2 in the second box, and a 5 in the third box.

A. Saturn is a gas giant meaning it has no solid surface.

B. "Lubadsagus" means "oldest" in the Saturnian language.

C. Saturn is the only planet in the Solar System with a ring system.

D. Saturn is the largest planet in the Solar System.

E. Saturn is the only planet in the Solar System with a ring system.

F. Saturn is the only planet in the Solar System with a ring system.

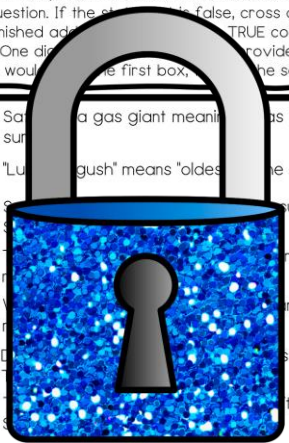
G. Saturn is the only planet in the Solar System with a ring system.

H. Saturn was named after the Roman god of agriculture and harvest.

After shading the coins on your answer sheet, use the TRUE statements to get the final total.

300     325     3

**G**    **D**



## STATION 2: PARAGRAPHS

First, number ALL the paragraphs on your reading passage. Then, read each statement below and determine which paragraph NUMBER the statement can be found in. Paragraph numbers MAY be used more than once or not at all. Follow the directions below to determine the 4-digit code and letter clue.

A. The rings span 250,000 miles but are only an average 55 feet thick.

B. Dione is the largest moon of Saturn and has the largest moon.

C. Saturn's surface is covered in water.

D. Saturn is the only planet in the Solar System.

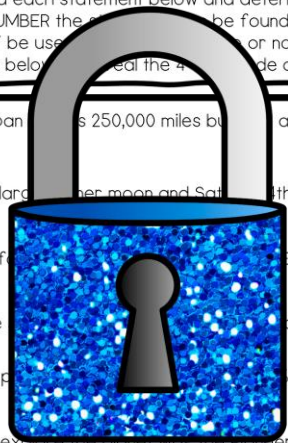
E. Most of the planet is made of hydrogen and helium.

F. The first to explore the planet was the Pioneer 11, launched in 1973.

1. ELIMINATE the highest and lowest used paragraph numbers and record the remaining 4-digit code on your answer sheet. 2. Decide which paragraph number was NOT used as a CODE answer.

NO 6     NO 8     NO 4

**L**    **C**    **W**



# STATIONS

## ABOUT THIS ACTIVITY

The reading passage in this packet allows students to work on comprehension skills after reading the passage several times searching for evidence. Each station includes a 4-digit code that will reveal a letter clue.


### OVERVIEW

READING PASSAGE	Students will use the reading passage at EACH station seeking answers and text evidence.
STATION 1	Students will determine the missing words in the paragraph to reveal a 4-digit code.
STATION 2	Students will number the paragraphs and browse the passage to determine where the answers can be found (paragraph number). After eliminating numbers, a 4-digit code will be revealed.
STATION 3	Students will read each statement and determine if it is true or false. They will then ADD all TRUE values to find the 4-digit code.
STATION 4	Students will do some basic math here, read the passage to find the answers and then determine the 4 digit code.
STATION 5	Students will answer 6 multiple choice questions which lead them to a 4 digit code based on the number of times they used each "ABCD" answer.
TEXT MARKING	OPTIONAL: A color code chart is included in case you want students to mark the text, citing evidence of where they found their answers. (This will increase completion time)

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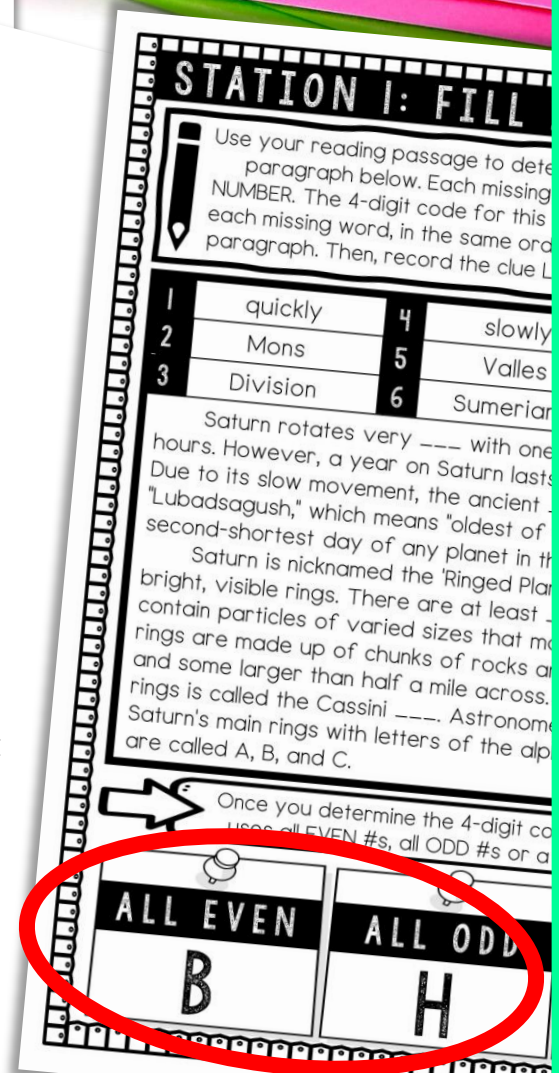
**STUDENTS WILL  
USE THE SAME  
READING  
PASSAGE AT  
EACH STATION  
SEEKING  
ANSWERS AND  
TEXT EVIDENCE.**

# HOW IT WORKS



ENGAGING READING  
COMPREHENSION PRACTICE!

- 1 Students work individually (or in pairs) and visit 5 stations, answer questions, decipher a 4-digit code at each station and grab a "letter" clue for the final alpha code.
- 2 Students will answer the questions (found directly in the passage) on their own recording sheet. Students will have to revisit their reading passage several times at EACH station skimming for answers.



**STATION 1: FILL**

Use your reading passage to determine the missing word in each paragraph below. Each missing word is represented by a 4-digit code. Record the 4-digit code for this missing word, in the same order as the word appears in the paragraph. Then, record the clue letter.

1	quickly	4	slowly
2	Mons	5	Valles
3	Division	6	Sumerian

Saturn rotates very ---- with one ---- hours. However, a year on Saturn lasts ---- hours. Due to its slow movement, the ancient Sumerians called it "Lubadsagush," which means "oldest of its kind." Saturn is nicknamed the "Ringed Planet" because of its bright, visible rings. There are at least ---- rings. Saturn's rings contain particles of varied sizes that range from dust to boulders. Some rings are made up of chunks of rocks and some larger than half a mile across. The rings are called the Cassini ----. Astronomers have discovered that Saturn's main rings with letters of the alphabet are called A, B, and C.

Once you determine the 4-digit code, record it in the box below. Use all EVEN #s, all ODD #s or a combination of even and odd numbers.

ALL EVEN	ALL ODD
B	H

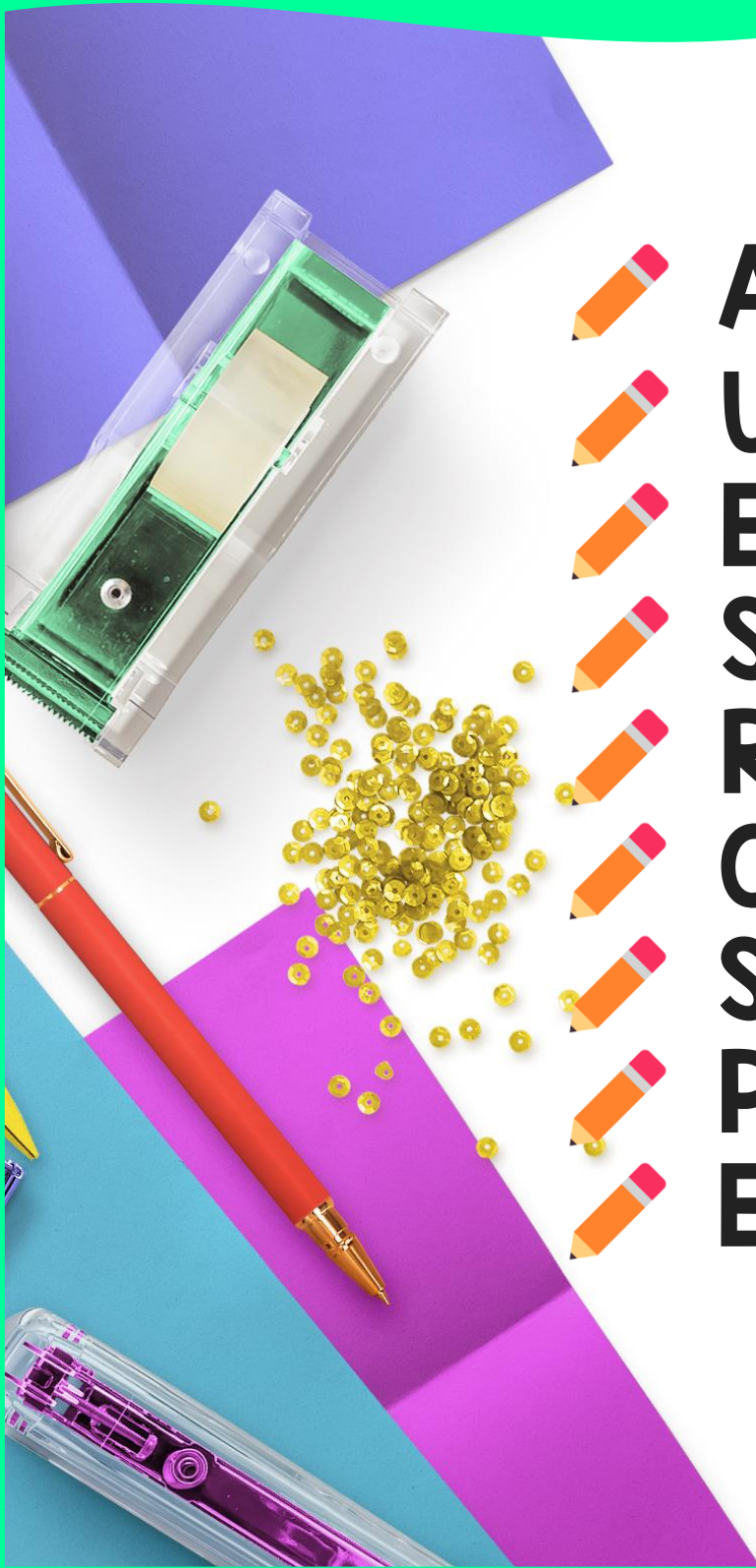









# BENEFITS

- ✓ STATIONS AND MOVEMENT
- ✓ CLOSE READING
- ✓ COMPREHENSION SKILLS
- ✓ SECRET CODES
- ✓ CITING EVIDENCE
- ✓ CRITICAL THINKING
- ✓ PRINT AND GO
- ✓ ACTIVE LEARNING
- ✓ CROSS-CURRICULAR
- ✓ HIGHLY ENGAGING
- ✓ NO LOCKS NEEDED
- ✓ NO SILLY ENVELOPES TO STUFF
- ✓ NO ODD SHAPES TO CUT OUT



**Everything a teacher dreams of wrapped up into one FUN and engaging activity!**

# USE FOR:

- 
-  **ANTICIPATORY SETS**
  -  **UNIT REVIEW**
  -  **EARLY FINISHERS**
  -  **STATIONS**
  -  **REWARD ACTIVITY**
  -  **CENTERS**
  -  **SUB PLANS**
  -  **PARTNER WORK**
  -  **ENRICHMENT**