Materials

For each group of four students:

Landing Patterns game board

Landing Patterns cards

Landing Patterns spinner

4 game tokens (different colors)

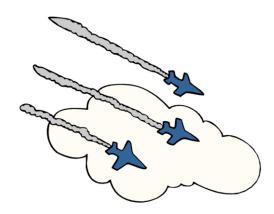


Number of Players

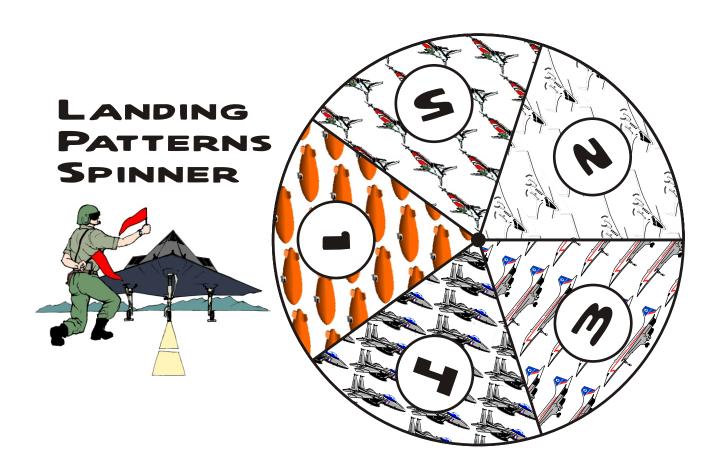
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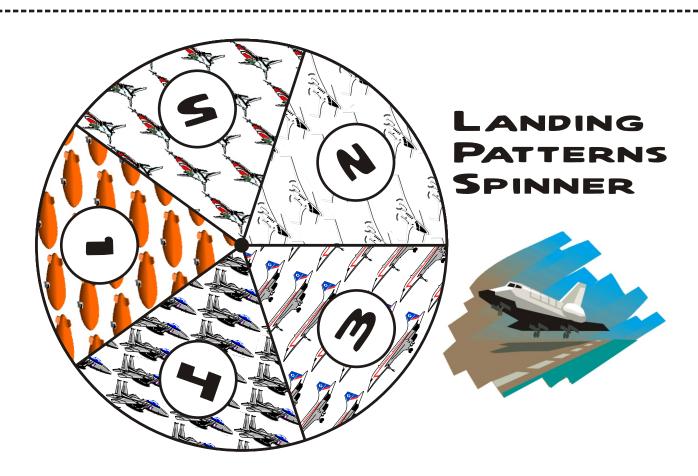
Directions

- 1. Divide the students into groups of four.
- 2. Each player places his or her game token on start.
- 3. The cards should be shuffled and placed problem side up (answer side down) between the students.
- 4. Each student spins the spinner. The student who lands on the highest number will begin first. Players continue playing in a clockwise manner.
- 5. For the first move, Player 1 draws a *Landing Patterns* card from the pile and solves the problem. If his or her answer matches the correct answer on the other side of the card, Player 1 may spin the spinner and move that number of spaces on the game board. If an incorrect answer is given then Player 1's turn is over.
- 6. Play continues in this manner until a player reaches or goes past the airport.
- 7. The first player to reach or pass the airport wins.



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LANDING PATTERNS CARD FRONTS

WHAT NUMBER IS MISSING IN THE

PATTERN BELOW?

72 | 67 | 62 | 57

WHAT IS THE RULE FOR THIS PATTERN?

12, 16, 15, 19, 18, 22, 21

WHAT NUMBER IS MISSING IN THE PATTERN BELOW?

> 14 | 22 | 30 46

IF THE NUMBER IN SET A IS 7, WHAT IS ONE WAY TO FIND ITS RELATED NUMBER IN SET B?

SET A	1	3	7
SET B	5	15	

NUMBER OF GUMBALLS	COST OF GUMBALLS
1	25¢
2	50¢
4	\$1.00
6	

BASED ON THE PATTERN ABOVE, WHAT IS THE COST OF 6 GUMBALLS?

3, 4, 6, 9, 13,

IF THIS PATTERN CONTINUES, WHAT WILL THE 6TH NUMBER BE?











IF THIS PATTERN CONTINUES, WHAT WILL BE THE NEXT SHAPE IN THE PATTERN?

42, 40, 38, 36, 34,

IF THIS PATTERN CONTINUES, WHAT WILL BE THE 7TH NUMBER IN THE PATTERN?

WHAT IS THE RULE FOR THIS PATTERN?

25, 24, 22, 19, 15



IF THIS PATTERN **CONTINUES IN THE** SAME WAY, WHAT WILL BE THE NEXT SHAPE?

CARD BACKS

PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING ITTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING F FERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PA IS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATT NG PATTERNS DING PATTER LANDING PATTERNS LANDING PATTER SLAIN ANDING P ATTERN PATTERNS L BNS I LANDING PAT PATTERNS TTERNS L ANDING PATTER ANDING PATTERNS ING PATTERNS I DING PATTERNS LA DING PATTERNS IG PATTERNS LA PATTERNS LANDI ING PATTERNS LA TTERNS LAN TERNS LAND **52** G PATTERNS TERNS LANDII IS LANDING PATTERNS L TTERNS LANDIN ERNS LANDING NS LANDING F IS LANDING PA TERNS LANDING ERNS LANDING PA S LANDING PATTER ANDING PATT PNS LANDING PAT ENS LANDING PATTER TERNS ANDING PATTER IS LANDING PATT ANDIN INS LANDING PAT ERNS LANDING PATTERN ANDING PATTER IS LANDING PATTERN LANDING PATTE ANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING 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CARD FRONTS

IF THE NUMBER IN SET X IS 6, WHAT IS ONE WAY TO FIND ITS RELATED NUMBER IN SET Y?

SET X	1	4	6
SET Y	8	11	

IN THIS LIST, THERE IS ONE NUMBER THAT DOES NOT BELONG IN THE PATTERN.

WHAT NUMBER DOESN'T BELONG?

125, 100, 89, 75, 50, 25, 0

IN THIS LIST, THERE
IS ONE NUMBER THAT
DOES NOT BELONG
IN THE PATTERN.
WHAT NUMBER
DOESN'T BELONG?

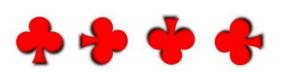
24, 20, 17, 16, 12

NAME THE NEXT 3 NUMBERS IN THIS SEQUENCE.

32, 28, 24, 20, ____, ____, ____

NAME THE NEXT 3 NUMBERS IN THIS SEQUENCE.

15, 21, 27, 33, , ,



WHICH SHAPE WILL
COME UP NEXT IN
THE PATTERN?



WHICH SHAPE
WOULD COME NEXT
IN THE PATTERN?

NUMBER OF BOXES OF PENCILS	TOTAL NUMBER OF PENCILS
1	10
3	30
5	50
9	

IF THIS PATTERN CONTINUES, HOW MANY PENCILS WILL YOU FIND IN 9 BOXES?

NUMBER OF BOXES OF PINS	TOTAL NUMBER OF PINS
4	400
7	700
9	900
10	

IF THIS PATTERN CONTINUES, HOW MANY PINS WILL YOU FIND IN 10 BOXES? WHAT NUMBER IS MISSING IN THE PATTERN BELOW?

	?	73	82	91	100
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CARD BACKS

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CARD FRONTS

WHAT NUMBER IS MISSING IN THE PATTERN BELOW?

? 64 59 54 49

WHAT IS THE RULE FOR THIS PATTERN?

43, 40, 41, 38, 39, 36, 37

	i e
NUMBER OF PAGES	TOTAL NUMBER OF STICKERS
4	40
6	60
8	80
9	90

WHAT IS THE RULE FOR THIS PATTERN?



IF THE PATTERN
CONTINUES, WHAT
WILL BE THE NEXT
SHAPE IN THE
PATTERN?

IN THIS LIST, THERE IS ONE NUMBER THAT DOES NOT BELONG IN THE PATTERN.

WHAT NUMBER DOESN'T BELONG?

75, 79, 80, 85, 90

IN THIS LIST, THERE IS ONE NUMBER THAT DOES NOT BELONG IN THE PATTERN.

WHAT NUMBER DOESN'T BELONG?

5, 12, 15, 25, 35

NUMBER OF TACOS	Cost of Tacos
1	\$1.25
2	\$2.50
3	\$3.75
4	

BASED ON THE PATTERN ABOVE, WHAT WILL BE THE COST OF 4 TACOS?



WHAT 2 SHAPES ARE MISSING IN THIS PATTERN?

WHAT 2 NUMBERS ARE MISSING IN THE PATTERN BELOW?

53 56 65

WHAT 2 NUMBERS
ARE MISSING IN THE
PATTERN BELOW?

86 79 72

CARD BACKS

PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING ITTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING F FERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PA IS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATT ANDING PATTER DING PATTERN NG PATTERNS LANDING PATTERNS LANDING PATTER SLAIN ANDING P ATTERN PATTERNS L LANDING PAT PATTERNS TTERNS **RNS** I ANDING PATTER NDING PATTERNS ING PATTERNS I DING PATTERNS LA DING PATTERNS IG PATTERNS LA PATTERNS LANDI ING PATTERNS LA TTERNS LAN TERNS LAND TERNS LANDII G PATTERNS 69 IS LANDING ATTERNS L NS LANDING F TTERNS LANDIN ERNS LANDING IS LANDING PA TERNS LANDING ERNS LANDING PA S LANDING PATTER PNS LANDING PAT ANDING PATT TERNS ENS LA ANDING PATTER IS LANDING PATT DING PATTER ANDIN INS LANDING PAT ERNS LANDING PATTERN ANDING PATTER IS LANDING PATTERN LANDING PATTE ANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS I IDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LA ING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LAN G PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDII PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS L ANDING PATTERNS LANDING ANDING PATTERNS LANDING PATTERNS L DING PATTERNS LANDING F NG PATTER IS LANDING PA ITTERNS LANDING PATTERN DING PAT TERNS LANDIN RATT ENS LANDING PAT RNS LANDING P LANDING PATT ANDING PATTER IS LANDING PAT ANDING PATTER NDING PATTERNS ING PATTERN ANDING PATTER DING PATTER ANDING PA IG PATTERNS I PATTERNS ATTERNS LAN DING PATTER G PATTERNS LAN ING PATTERNS L PATTERNS LAND G PATTERNS LA ATTERNS LANDII TTERNS LANDING F ERNS LANDING PATTERNS LANDING G PATTERNS LANDING PA ERNS LANDING F TTERNS LANDING TTERN ATTERNS LANDING F TERNS LANDING PATTERN'S LANDING PAT TTERNS LANDING PA RNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS 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CARD FRONTS

IN THIS LIST, THERE IS ONE NUMBER THAT DOES NOT BELONG IN THE PATTERN.

WHAT NUMBER DOESN'T BELONG?

40, 37, 34, 33, 31

IF THE NUMBER IN SET C IS 5, WHAT IS ONE WAY TO FIND ITS RELATED NUMBER IN SET D?

SET C	1	3	5
SET D	4	12	

WHAT IS THE RULE FOR THIS PATTERN?

126, 118, 110, 102, 94

WHAT NUMBER IS MISSING IN THE PATTERN BELOW?



IF THE PATTERN
CONTINUES, WHAT
WILL BE THE NEXT
SHAPE IN THE
PATTERN?

37, 39, 38, 40, 39, ___

IF THIS PATTERN
CONTINUES, WHAT
WILL BE THE 6TH
NUMBER IN THE
PATTERN?

WHAT NUMBER IS MISSING IN THE PATTERN BELOW?

13 | 25 | 37 | | 61 | 73

WHAT IS THE RULE FOR THIS PATTERN?

50, 45, 47, 42, 44

IN THIS LIST, THERE IS ONE NUMBER THAT DOES NOT BELONG IN THE PATTERN.

WHAT NUMBER DOESN'T BELONG?

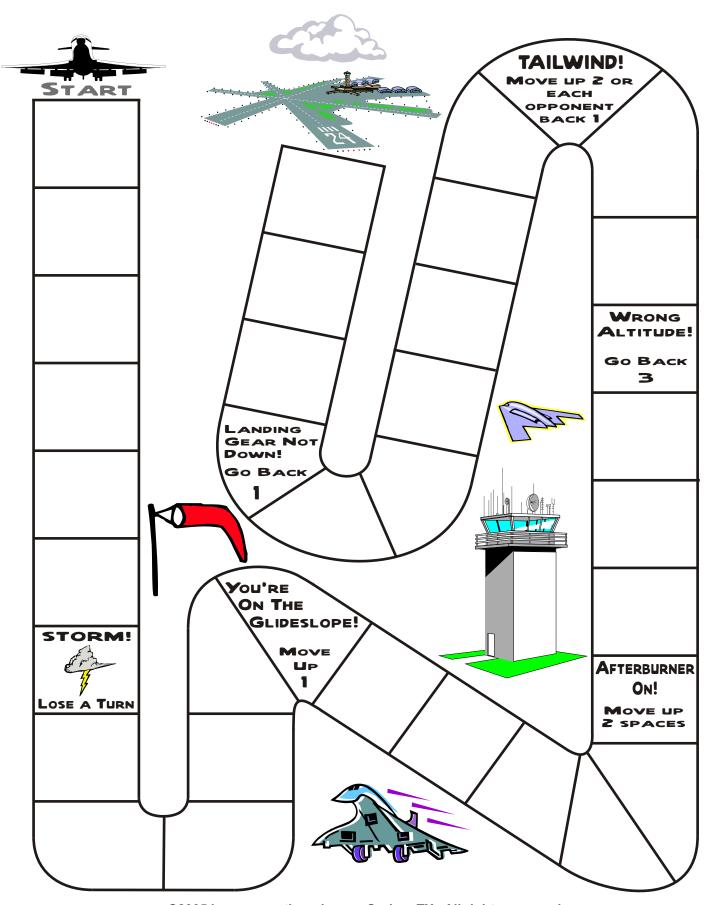
64, 70, 74, 76, 82, 88

IF THE NUMBER IN SET R IS 9, WHAT IS ONE WAY TO FIND ITS RELATED NUMBER IN SET 5?

SET R	1	4	9
SET S	10	13	

CARD BACKS

PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING ITTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING F FERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PA IS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATT NG PATTERNS DING PATTER LANDING PATTERNS LANDING PATTER SLAIN ANDING P ATTERN PATTERNS L SLA! LANDING PAT PATTERNS TTERNS L RNS I ANDING PATTER NDING PATTERNS ING PATTERNS I DING PATTERNS LA DING PATTERNS IG PATTERNS LA PATTERNS LANDI ING PATTERNS LA TTERNS LAN TERNS LAND TERNS LANDII G PATTERNS IS LANDING ATTERNS L ANDING F TTERNS LANDING ERNS LANDING IS LANDING PA TERNS LANDING ERNS LANDING PA S LANDING PATTER ANDING PATT PNS LANDING PAT ENS LANDING PATTER TERNS ANDING PATTER IS LANDING PATT ANDIN INS LANDING PAT ERNS LANDING PATTERN ANDING PATTER IS LANDING PATTERN LANDING PATTE ANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS I IDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LA ING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LAN G PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDII PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS L ANDING PATTERNS LANDING ANDING PATTERNS LANDING PATTERNS L DING PATTERNS LANDING F NG PATTER IS LANDING PA ITTERNS LANDING PATTERN DING PAT TERNS LANDIN RATT ENS LANDING PAT RNS LANDING P LANDING PATT ANDING PATTER IS LANDING PAT ANDING PATTER NDING PATTERNS ING PATTERN ANDING PATTER DING PATTER ANDING PAI IG PATTERNS I PATTERNS ATTERNS LAN DING PATTER G PATTERNS LAN ING PATTERNS L PATTERNS LAND G PATTERNS LÆ ATTERNS LANDII TTERNS LANDING F ERNS LANDING PATTERNS LANDING ATTERNS LANDING PATERNS LANDING PATERNS LANDING PATERNS LANDING PATERNS LANDING PATERNS LANDING PA ATTERNS LANDING F TTERNS LANDING **TERMS LANDING** TTERNS LANDING PA RNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATT 4S LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTEF LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERN LANDING PATTERN ANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS I DING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LA ERNS LANDING PATTERNS DENDING RATTE NS LANDIN PATTERNS LAND Q P MATTERNS LANDI ING PATTER ANDING PA IS LANDING G PATTERNS L PATTERNS LAN ATTERNS LANDIN TERNS LANDING ITTERNS LANDING TTERNS LANDING P ERNS LANDING F **TERMS LANDING P** NS LANDING PATT LANDING PA RNS LANDIA IS LANDING ANDING PATT ANDING PAT IS LANDING P RING PATTER LANDING PATTE ANDING PATTERN DING PATTERN ANDING PATTE NDING PATTERN ING PATTERNS DING PATTERNS I NG PATTERNS L PATTERNS LA DING PARTERNS LAN NG PATTERNS L ING PAT ANDING RATTERNS LAND PATTE NS L G PATTERNS LAJ DING PATTERNS L NDING PATTERNS LANDU PATTERN'S LAND NG PATTERNS LANDII PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING ITTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING F FERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PA RNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATT IS LANDING PATTERNS LAND<u>I</u>NG PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTEF PATTERNS JANDING PATT ANDING PA RNS LAMPING TTERNS LANDING PATTERN ANDING PATTE RNS DING PATTERN NG PATTERNS I DING PATTERNS L G PATTERNS LA DING PATTERN ING PATTERNS LAN PATTERNS LAN ING PATTERNS L ATTERNS LANDING TERNS LANDII G PATTERNS LAND ATTERNS LA ERNS LANDING PATTERNS-TTERNS LAND ENS LANDING LANDING F TERNS LANDING PA NS LANDING PA **TERNS LANDING** RNS LANDING ENS LANDING PAT ANDING PATT TER IS LANDING PATTE ANDING PATTERN DING PATTER ERNS LANDING PATTERN NDING IS LANDING PATTERN LANDING PATTER LANDI P **XTT**È ANDING PATTERYS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS I DING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LA ING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LAN G PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDI PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING DING PAT ANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING F DING PATTERNS LANDING RATTERNS LAY VNG PATTERNS LANDING PAT TTERNS LAN TTAS TERNS LANDII RNS LANDING À ENS LANDING PA LANDING PATT ATTER IS LANDING PAT IS LANDING PATTE ANDING PATTER DING PATTERNS LANDING PATTER NDING PATTERN DING PATTERNS LA ANDING PATTERNS G PATTERNS I DING PATE QING PATTER PATTERNS LA ING PATTERN ATTERNS L **ERNS LAN** PATTERNS LANDIN G PATTERNS LA ATTERNS LANDII TERNS LANDING PATTERNS LAN ATTERNS LANDIN NS LANDING F TTERNS LANDING TERNS LANDING PA TERNS LANDING P RNS NS LANDING PAT RNS LAN ING TTERNS ANDING PAT RNS LANDING P ERNS LA ATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATT IS LANDING PATTERNS LANDING PAT TERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTEF ANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERNS LANDING PATTERN. 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